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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
17/993,677	11/23/2022		455	Bell-P01	25	5

135638
Lev Ivan Gabriel Iwashko
1250 Connecticut Ave., NW
Floor 7
Washington, DC 20036

CONFIRMATION NO. 2554

FILING RECEIPT



0000000051569987

Date Mailed: 12/09/2022

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Allan Robert Bell, JR., Suwanee, GA;

Applicant(s)

Allan Robert Bell, JR., Suwanee, GA;

Power of Attorney: The patent practitioners associated with Customer Number 135638

Domestic Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 12/08/2022

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/993,677**

Projected Publication Date: Supplemental Fees Missing

Non-Publication Request: No

Early Publication Request: No

**** MICRO ENTITY ****

Title

SPORTS ARTICLE DISPLAY DEVICE

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

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UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>		Attorney Docket No. Bell-P01	
		First Named Inventor Allan Robert Bell Jr.	
		Title SPORTS ARTICLE DISPLAY DEVICE	
		Express Mail Label No.	

APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>	Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
1. ☒ Fee Transmittal Form (PTO/SB/17 or equivalent) 2. ☐ Applicant asserts small entity status. See 37 CFR 1.27 3. ☒ Applicant certifies micro entity status. See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent. 4. ☒ Specification [Total Pages <u>72</u>] Both the claims and abstract must start on a new page. (See MPEP § 608.01(a) for information on the preferred arrangement) 5. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets <u>21</u>] 6. Inventor's Oath or Declaration [Total Pages <u>2</u>] (including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e)) a. ☒ Newly executed (original or copy) b. ☐ A copy from a prior application (37 CFR 1.63(d)) 7. ☒ Application Data Sheet * See note below. See 37 CFR 1.76 (PTO/AIA/14 or equivalent) 8. CD-ROM or CD-R in duplicate, large table, or Computer Program (Appendix) ☐ Landscape Table on CD 9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, items a. – c. are required) a. ☐ Computer Readable Form (CRF) b. ☐ Specification Sequence Listing on: i. ☐ CD-ROM or CD-R (2 copies); or ii. ☐ Paper c. ☐ Statements verifying identity of above copies	ACCOMPANYING APPLICATION PAPERS 10. ☐ Assignment Papers (cover sheet & document(s)) Name of Assignee _____ 11. ☐ 37 CFR 3.73(c) Statement ☒ Power of Attorney (when there is an assignee) 12. ☐ English Translation Document (if applicable) 13. ☐ Information Disclosure Statement (PTO/SB/08 or PTO-1449) ☐ Copies of citations attached 14. ☐ Preliminary Amendment 15. ☐ Return Receipt Postcard (MPEP § 503) (Should be specifically itemized) 16. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed) 17. ☐ Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent. 18. ☐ Other: _____ _____ _____ _____

***Note:** (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 **must** be included in an Application Data Sheet (ADS).
 (2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).

19. CORRESPONDENCE ADDRESS				
☒ The address associated with Customer Number: <u>135638</u> OR ☐ Correspondence address below				
Name				
Address				
City	State	Zip Code		
Country	Telephone	Email		

Signature	/Lev Iwashko/	Date	November 23, 2022
Name (Print/Type)	Lev Iwashko	Registration No. (Attorney/Agent)	70168

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:

Filing Date:

Title of Invention:

SPORTS ARTICLE DISPLAY DEVICE

First Named Inventor/Applicant Name:

Allan Robert Bell Jr.

Filer:

Lev Ivan Gabriel Iwashko

Attorney Docket Number:

Bell-P01

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
BASIC FILING FEE-UTILITY	3011	1	80	80
UTILITY SEARCH FEE	3111	1	175	175
UTILITY EXAMINATION FEE	3311	1	200	200

Pages:

Claims:

Miscellaneous-Filing:

Petition:

Patent-Appeals-and-Interference:

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				455

Electronic Acknowledgement Receipt

EFS ID:	47086505
Application Number:	17993677
International Application Number:	
Confirmation Number:	2554
Title of Invention:	SPORTS ARTICLE DISPLAY DEVICE
First Named Inventor/Applicant Name:	Allan Robert Bell Jr.
Customer Number:	135638
Filer:	Lev Ivan Gabriel Iwashko
Filer Authorized By:	
Attorney Docket Number:	Bell-P01
Receipt Date:	23-NOV-2022
Filing Date:	
Time Stamp:	17:17:06
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$455
RAM confirmation Number	E2022AMH18480531
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Certification of Micro Entity (Gross Income Basis)	Bell-P01_Certification_Of_MicroEntity.pdf	119986	no	2
			ef4bedd7fb8c83b51475f0720b145ae494120a0c		
Warnings:					
Information:					
2	Oath or Declaration filed	Bell-P01_Declaration.pdf	103374	no	3
			05a5baf342cfe61ef5299c8c73857a037ce60ee		
Warnings:					
Information:					
3	Drawings-only black and white line drawings	Bell-P01_DrawingsAsFiled.pdf	571343	no	21
			166f228efbb43da7e2a0cfd3f94a1ac3ef21910		
Warnings:					
Information:					
4	Power of Attorney	Bell-P01_Power_Of_Attorney.pdf	195616	no	4
			61a8a1366a418b6da9df392c56cd4a01dc4136bb		
Warnings:					
Information:					
5	Specification	Bell-P01_SpecAsFiled.pdf	442530	no	72
			da09f5503736cc2e4b8fe1b7c286b25926c242ac		
Warnings:					
Information:					
6	Application Data Sheet	Bell-P01ADS.pdf	1822749	no	8
			196c71c23fdb97e49f2d53cff276cf9803b22bd		
Warnings:					
Information:					

7	Transmittal of New Application	Bell-P01Transmittal.pdf	276267	no	2
			6d2c69db56377aeff3724fd0db02fa0081752e54		

Warnings:

Information:

8	Fee Worksheet (SB06)	fee-info.pdf	43782	no	2
			a6709f23d3a0f5e3b8a4ba1ea2752e3537a9e045		

Warnings:

Information:

Total Files Size (in bytes):			3575647
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

CERTIFICATION OF MICRO ENTITY STATUS (GROSS INCOME BASIS)					
Application Number or Control Number (if applicable):			Patent Number (if applicable):		
First Named Inventor: Allan Robert Bell Jr.			Title of Invention: SPORTS ARTICLE DISPLAY DEVICE		
The applicant hereby certifies the following—					
(1) SMALL ENTITY REQUIREMENT – The applicant qualifies as a small entity as defined in 37 CFR 1.27. (2) APPLICATION FILING LIMIT – Neither the applicant nor the inventor nor a joint inventor has been named as the inventor or a joint inventor on more than four previously filed U.S. patent applications, excluding provisional applications and international applications under the Patent Cooperation Treaty (PCT) for which the basic national fee under 37 CFR 1.492(a) was not paid, and also excluding patent applications for which the applicant has assigned all ownership rights, or is obligated to assign all ownership rights, as a result of the applicant's previous employment. (3) GROSS INCOME LIMIT ON APPLICANTS AND INVENTORS – Neither the applicant nor the inventor nor a joint inventor, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986 (26 U.S.C. 61(a)), exceeding the "Maximum Qualifying Gross Income" reported on the USPTO Web site at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census. (4) GROSS INCOME LIMIT ON PARTIES WITH AN "OWNERSHIP INTEREST" – Neither the applicant nor the inventor nor a joint inventor has assigned, granted, or conveyed, nor is under an obligation by contract or law to assign, grant, or convey, a license or other ownership interest in the application concerned to an entity that, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986, exceeding the "Maximum Qualifying Gross Income" reported on the USPTO Web site at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.					
SIGNATURE by an authorized party set forth in 37 CFR 1.33(b)					
Signature		/Lev Iwashko/			
Name		Lev Iwashko			
Date		11/23/2022	Telephone	202-441-5043	Registration No. 70168
☐		There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. The required additional certification form(s) signed by the other joint inventor(s) are included with this form.			

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

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1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	Bell-P01
		First Named Inventor	Allan Robert Bell Jr.
		<i>COMPLETE IF KNOWN</i>	
		Application Number	
		Filing Date	
☒ Declaration Submitted With Initial Filing OR ☐ Declaration Submitted After Initial Filing (surcharge (37 CFR 1.16(f)) required)		Art Unit	
		Examiner Name	

SPORTS ARTICLE DISPLAY DEVICE

(Title of the Invention)

As a below named inventor, I hereby declare that:

This declaration is directed to:

☒ The attached application,

OR

☐ United States Application Number or PCT International application number _____

filed on _____.

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Direct all correspondence to:	☒ The address associated with Customer Number:	135638	OR	☐ Correspondence address below
Name				
Address				
City		State	Zip	
Country	Telephone		Email	

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

DECLARATION — Utility or Design Patent Application

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/SB/01) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE, COMMERCE-PAT-7, System name: *Patent Application Files*. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of COMMERCE/PAT-TM-10, System name: *Deposit Accounts and Electronic Funds Transfer Profiles*.

LEGAL NAME OF SOLE OR FIRST INVENTOR:

(E.g., Given Name (first and middle if any) and Family Name or Surname)

Allan Robert Bell Jr

Inventor's Signature

/Allan Robert Bell Jr/

Date (Optional)

11/23/2022

Residence: City

Suwanee

State

GA

Country

US

Mailing Address

157 Highgrove Drive

City

Suwanee

State

GA

Zip

30024

Country

US

☐

Additional inventors are being named on the

Supplemental sheet(s) PTO/AIA/10 attached hereto

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

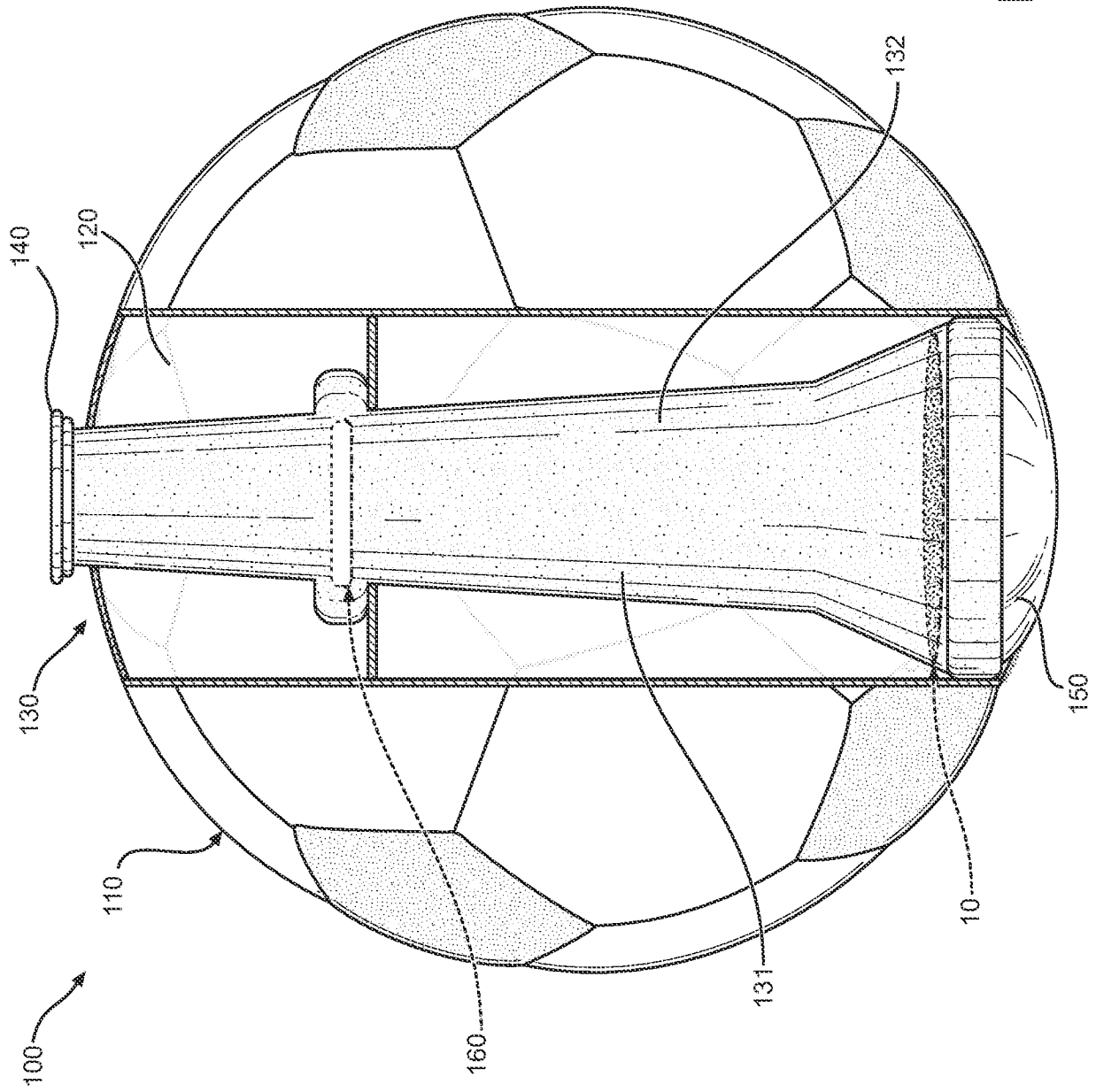
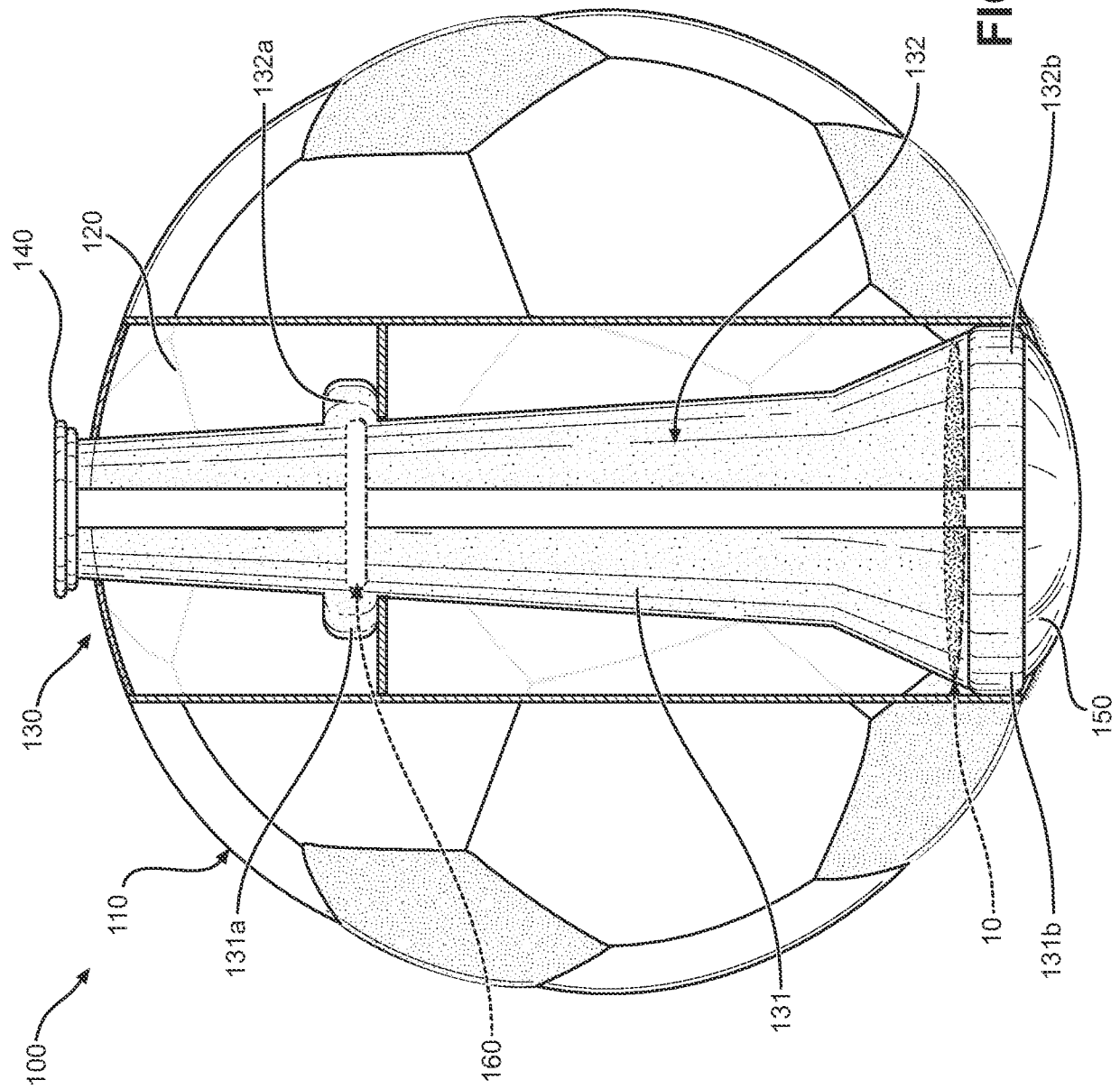
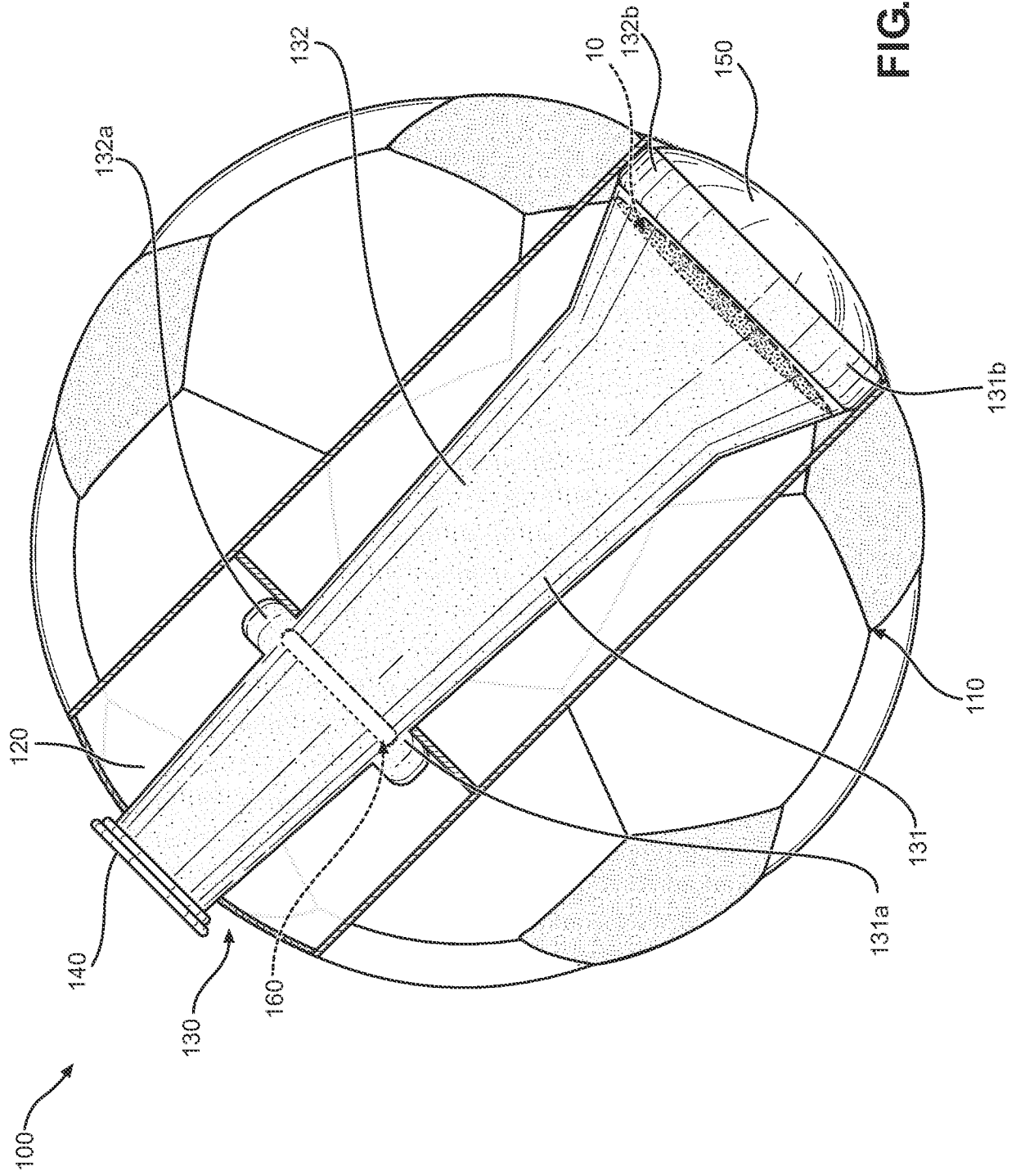


FIG. 1A

**FIG. 1B**

**FIG. 1C**

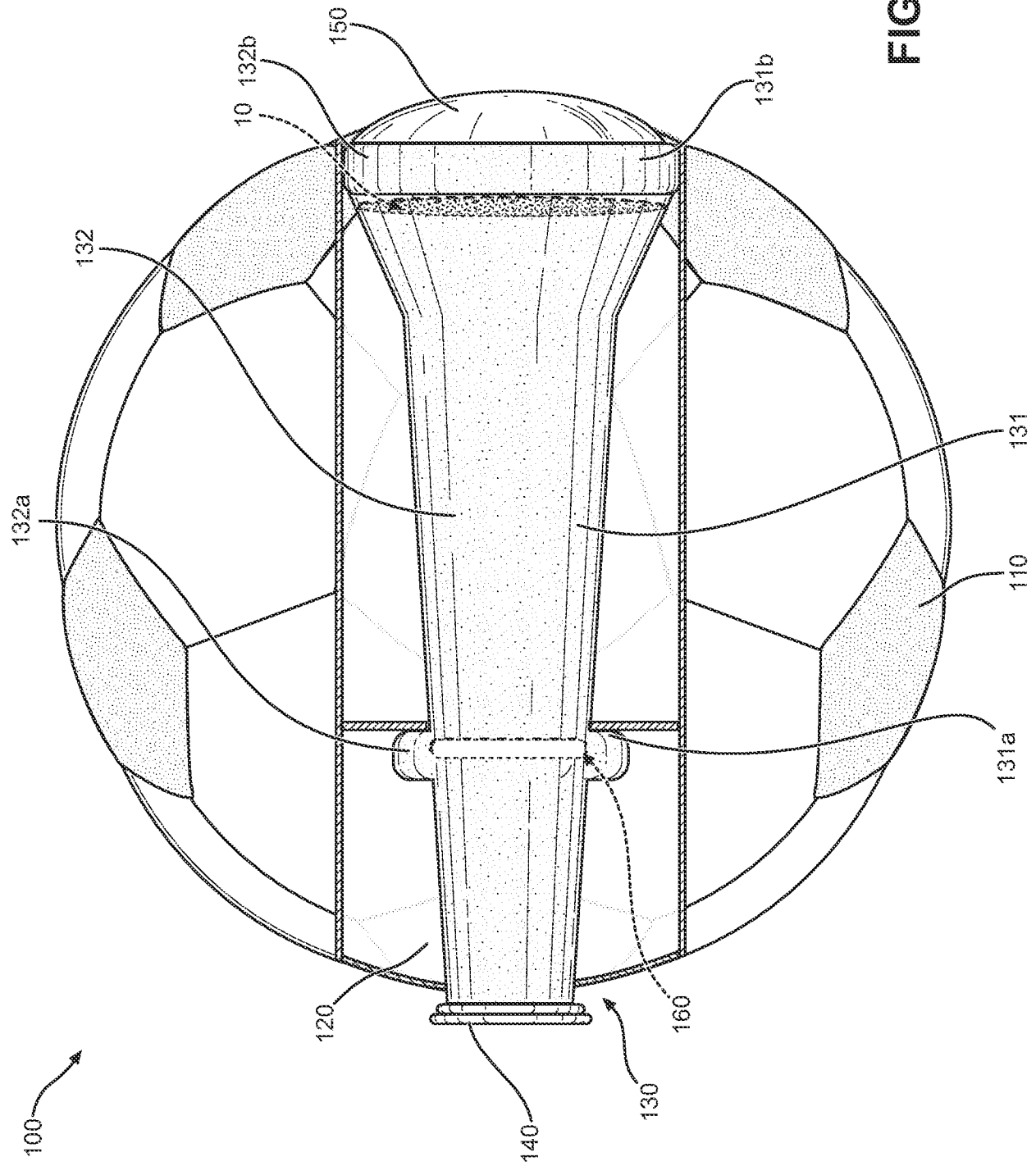


FIG. 1D

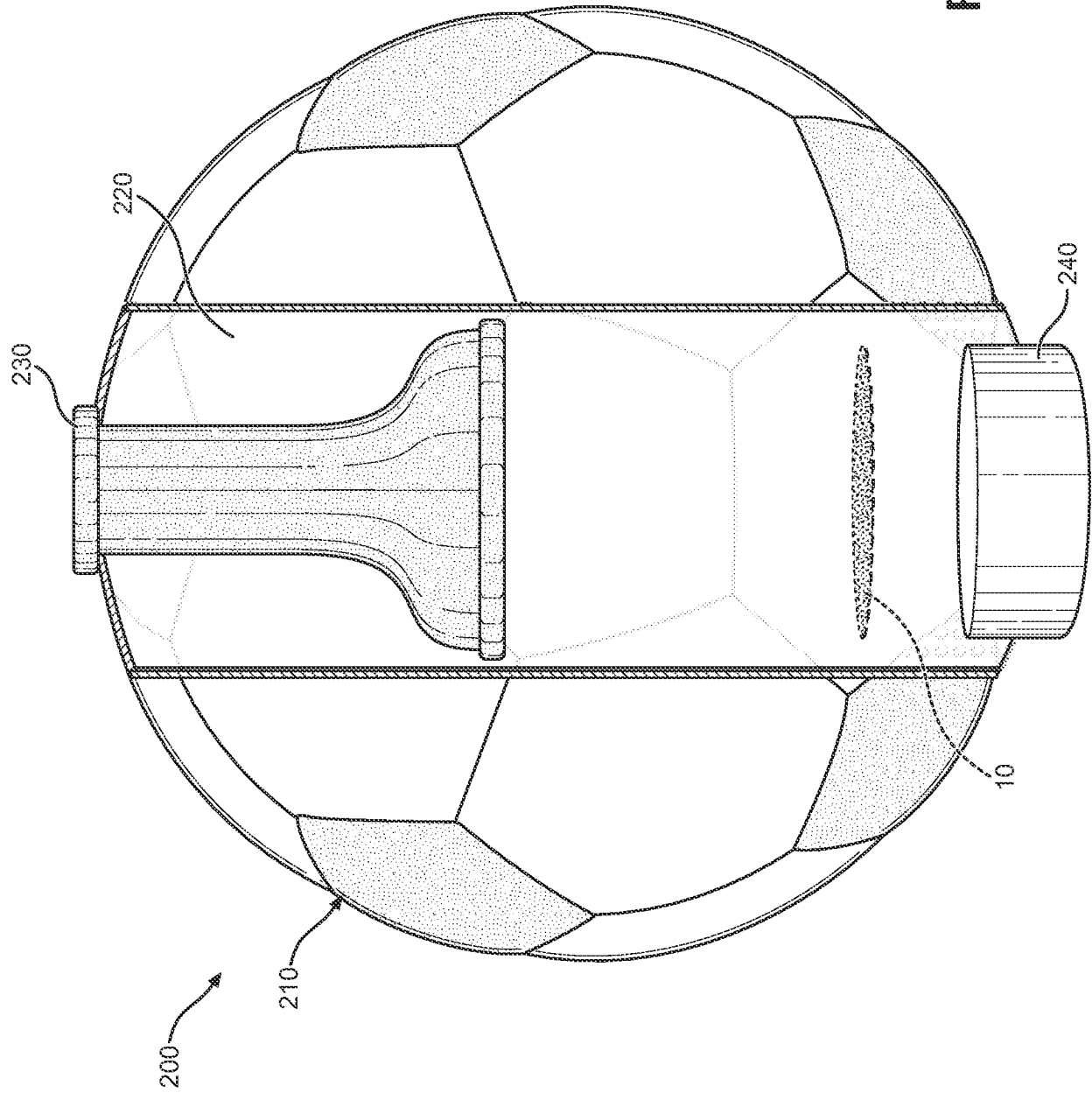


FIG. 2

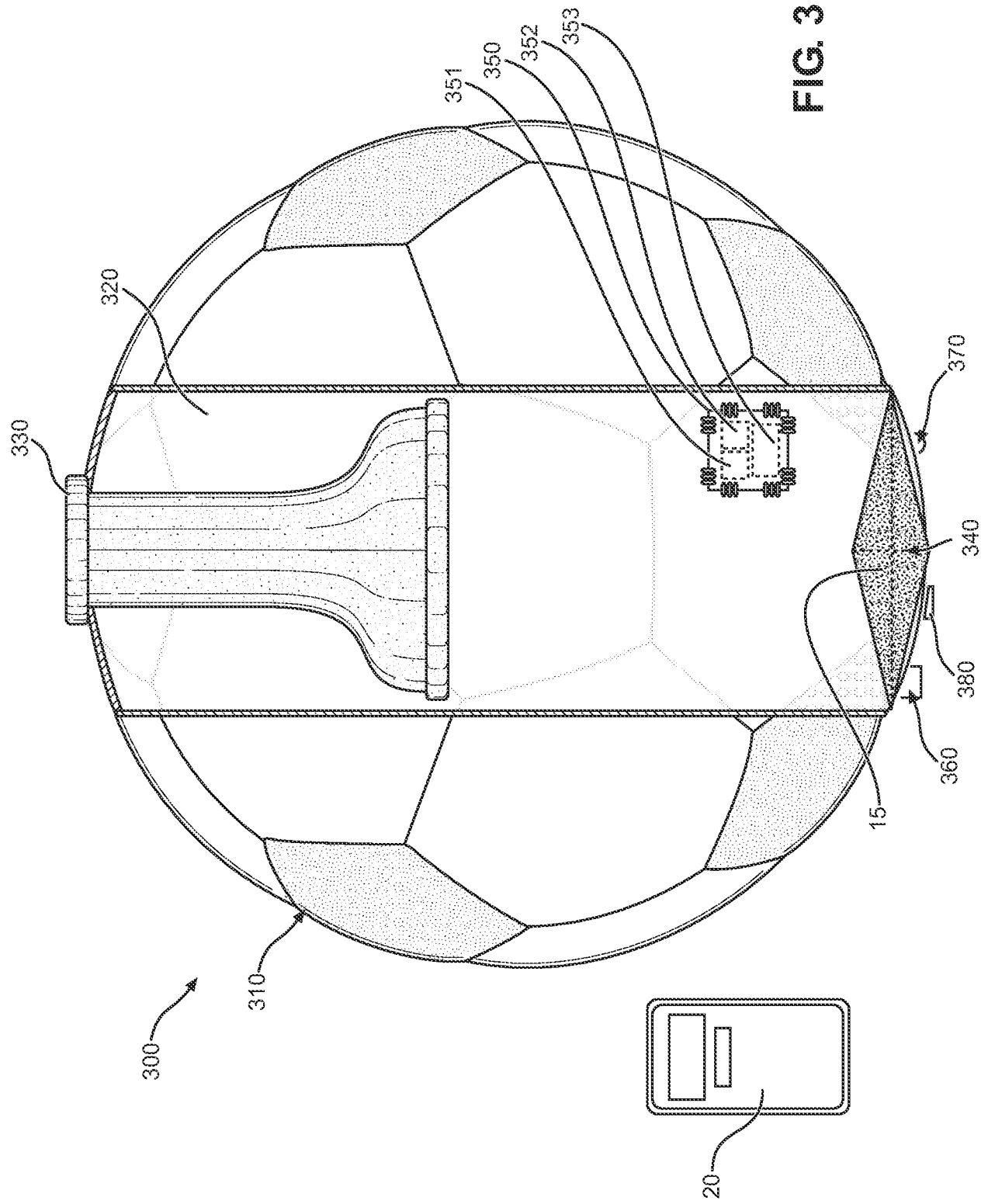
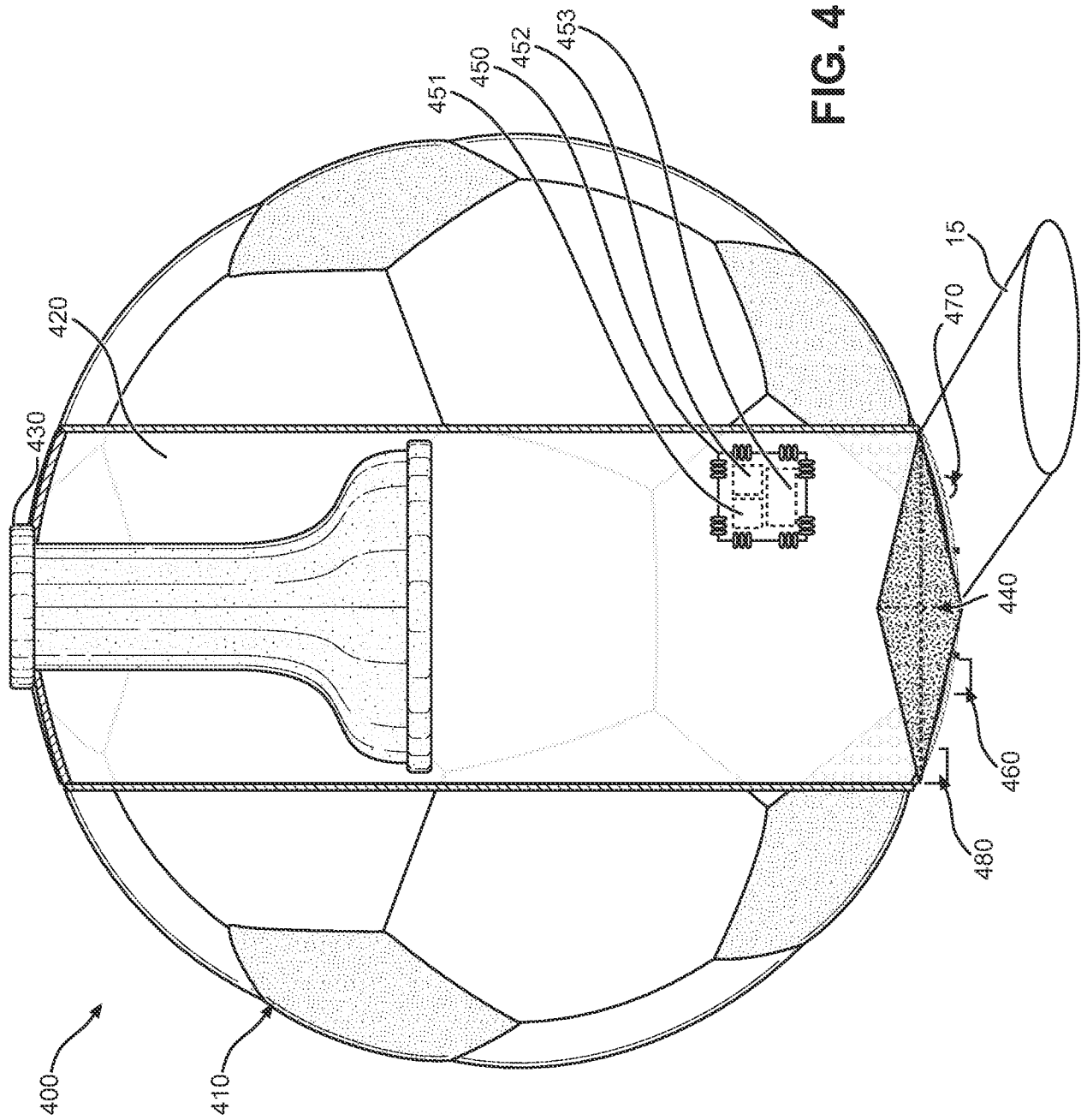


FIG. 3



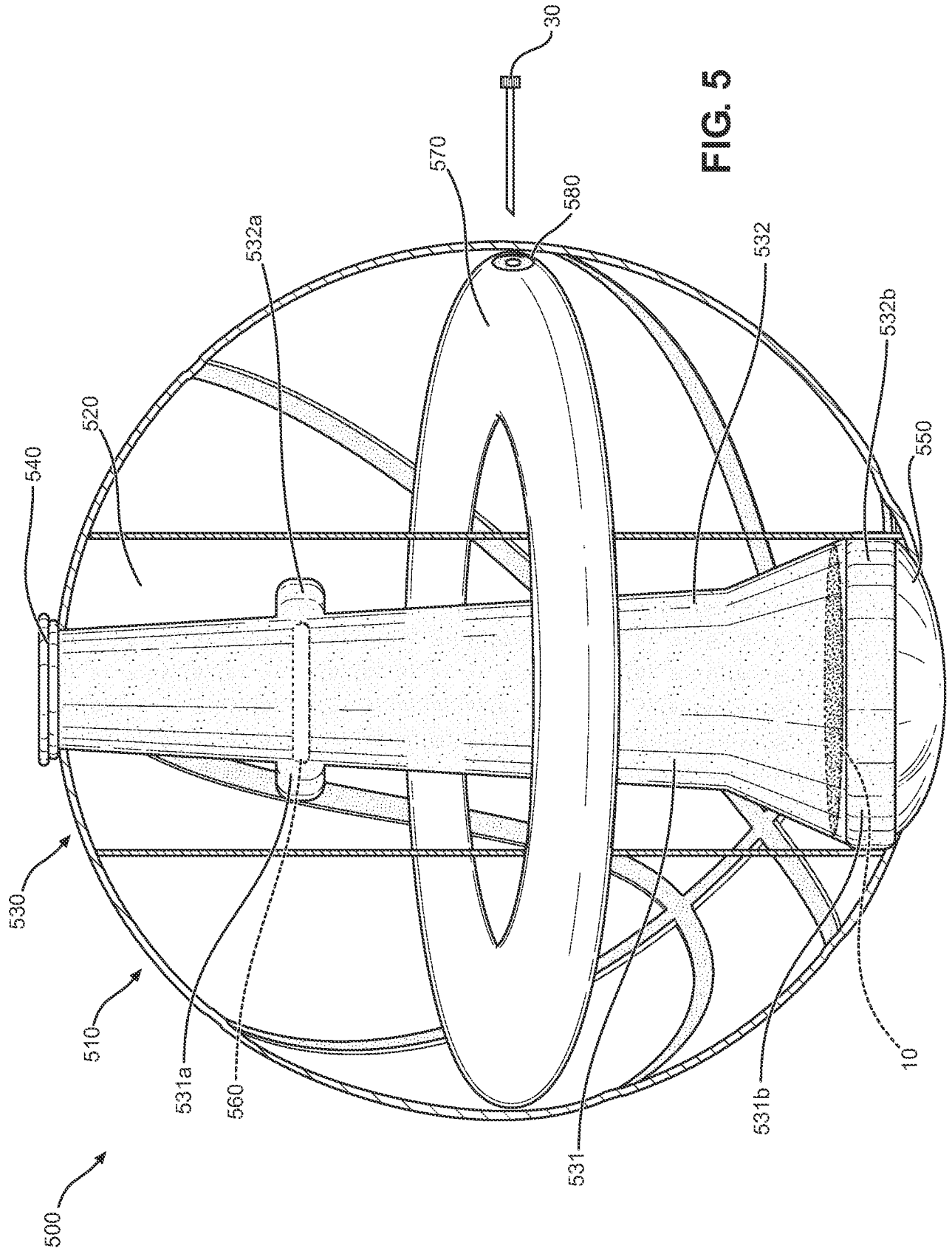


FIG. 5

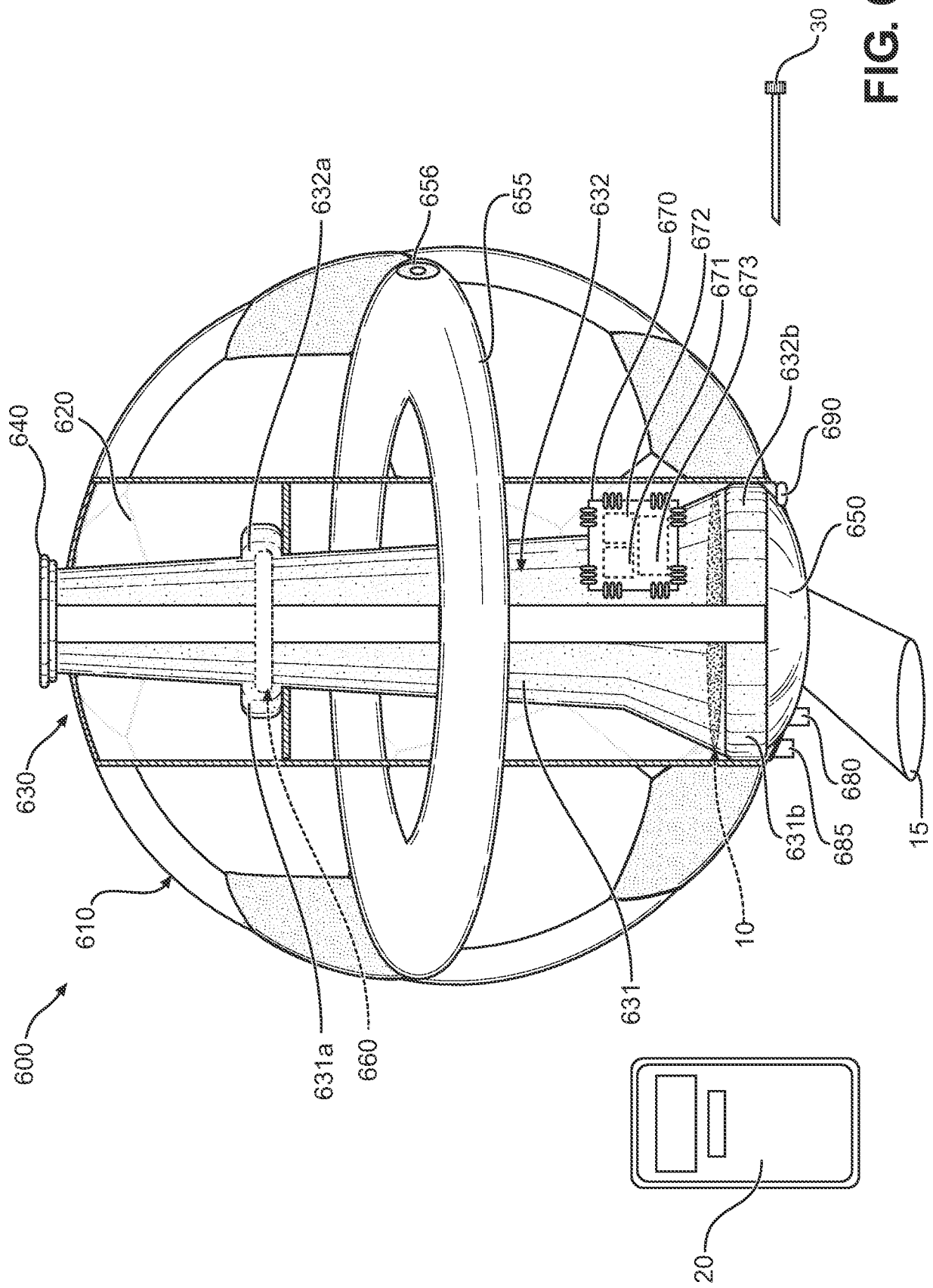


FIG. 6

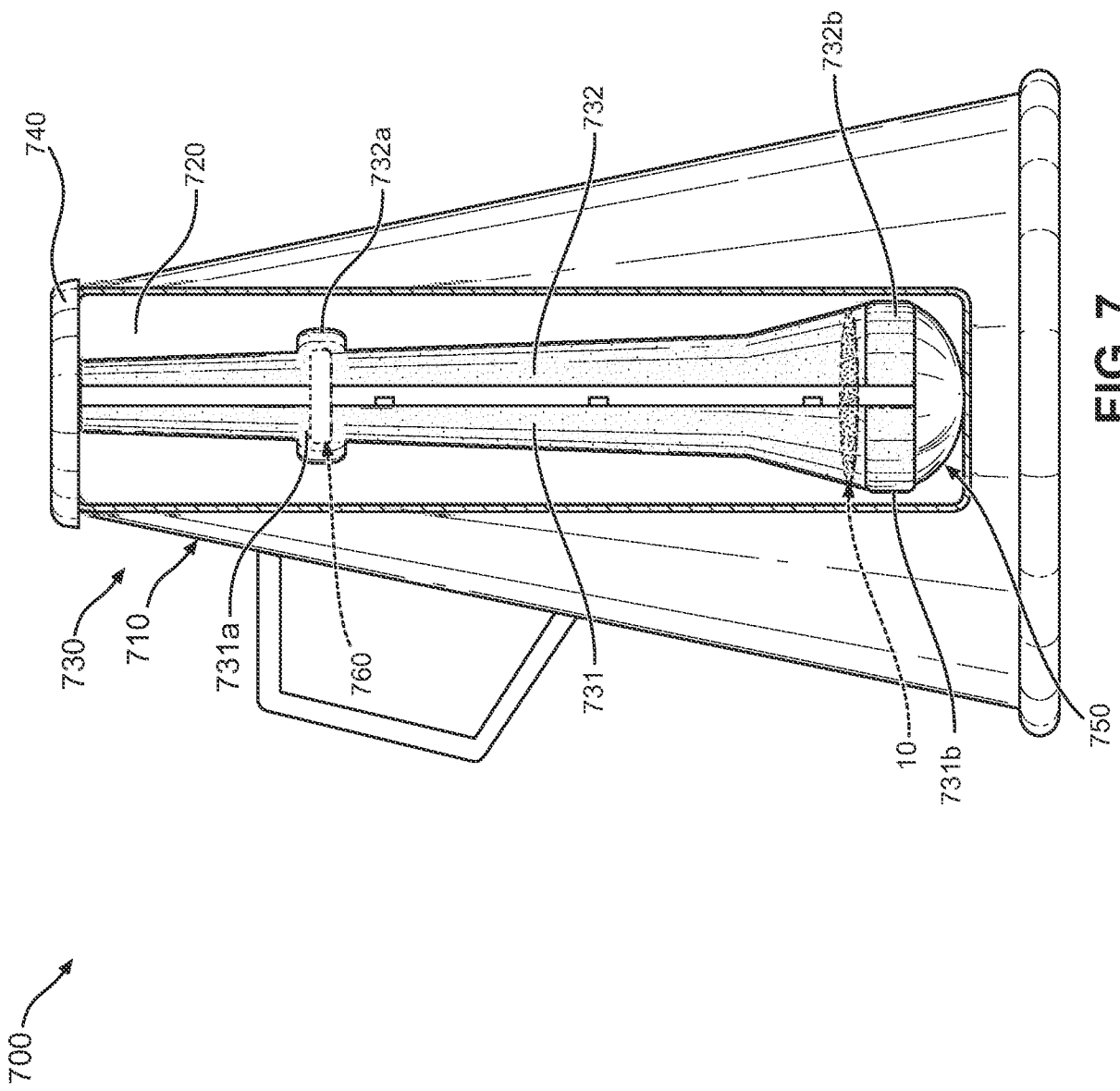


FIG. 7

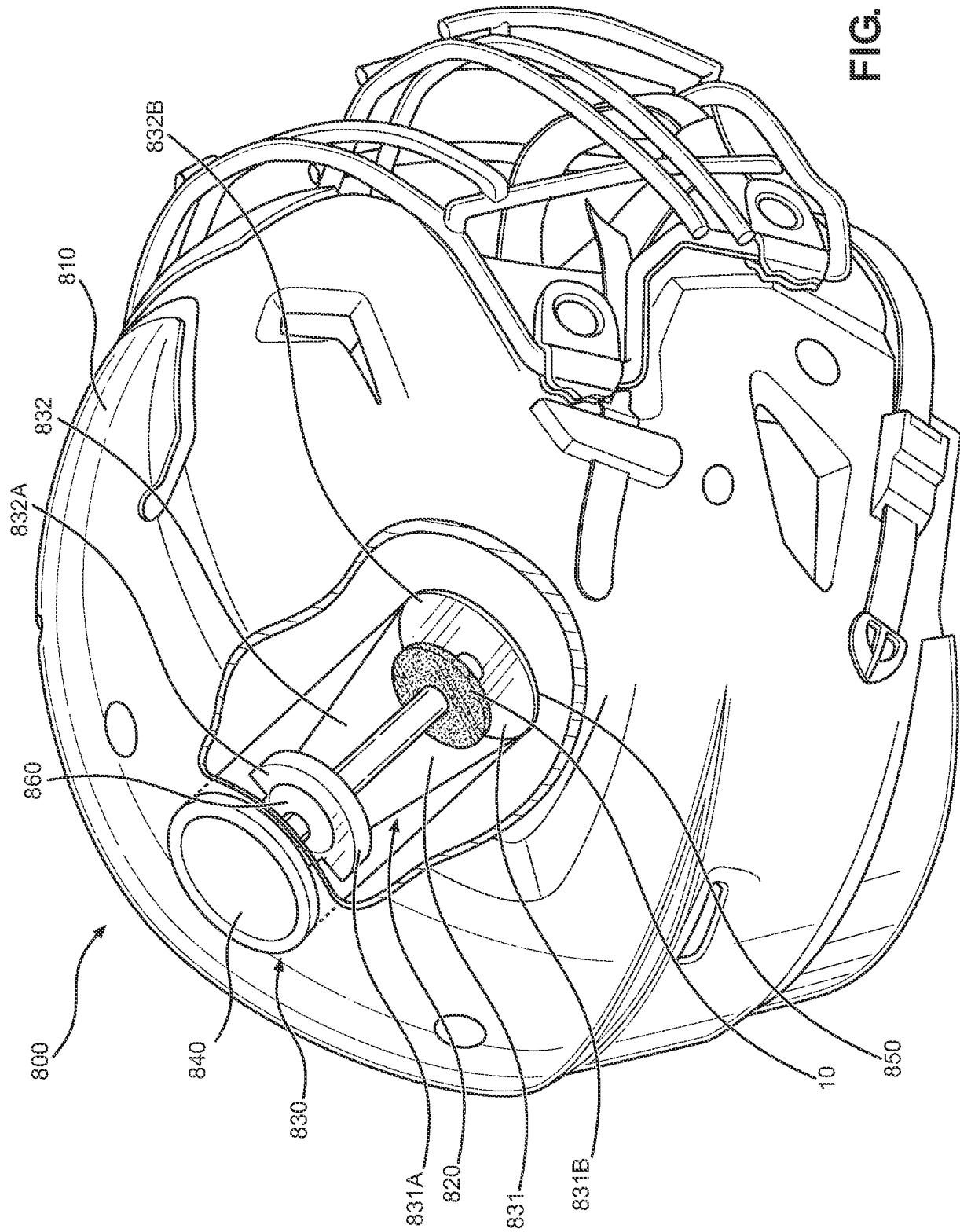


FIG. 8

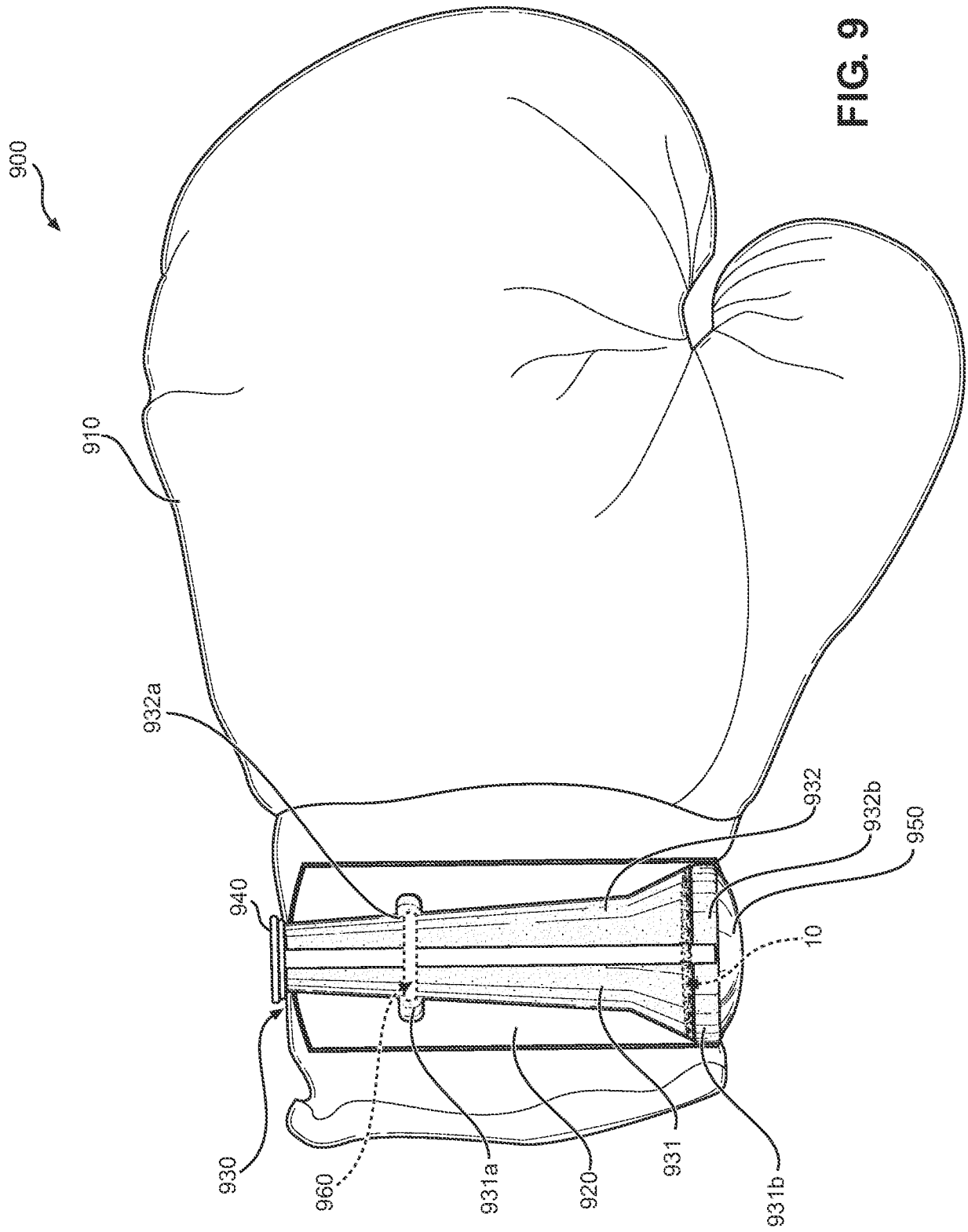


FIG. 9

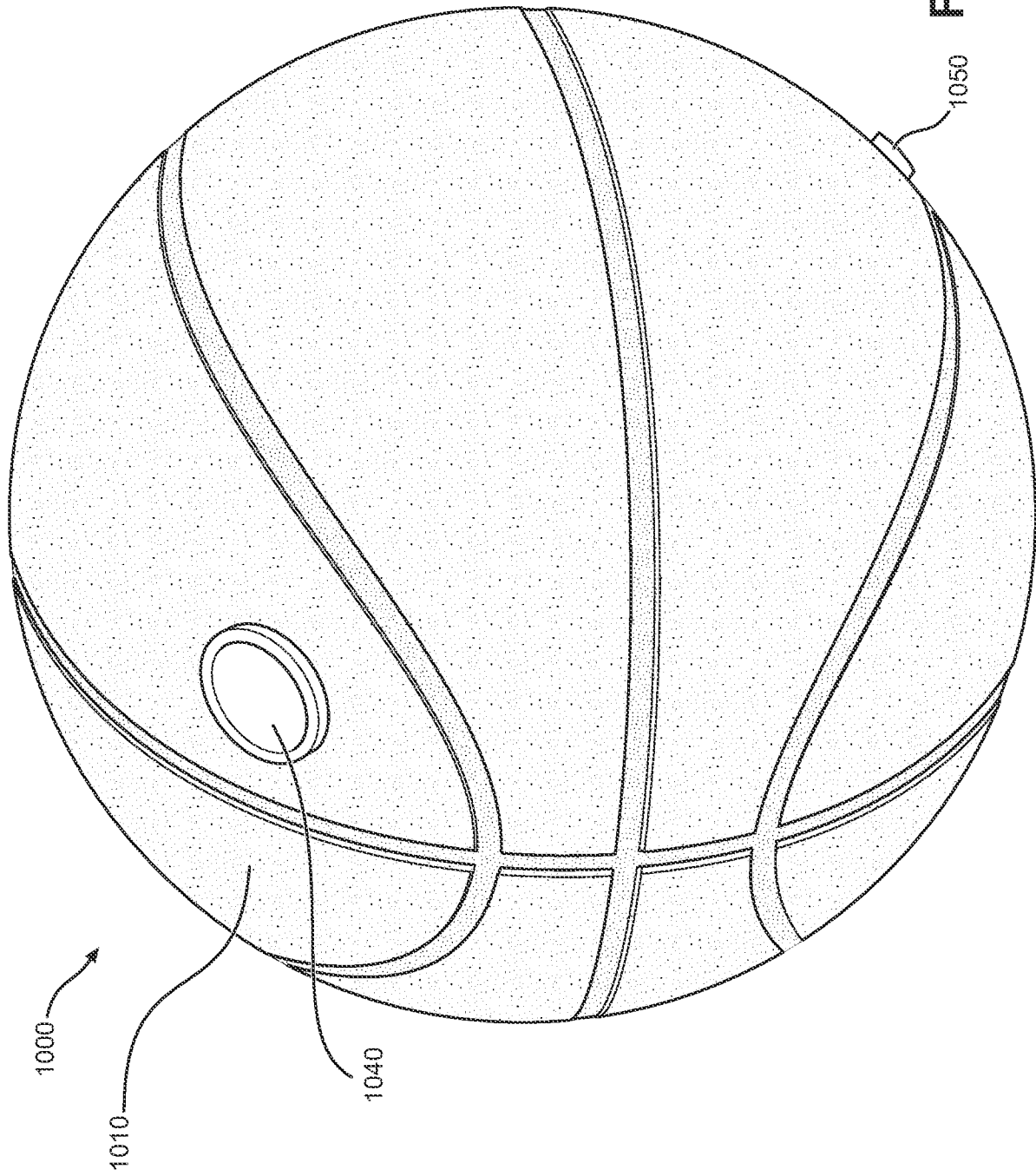


FIG. 10A

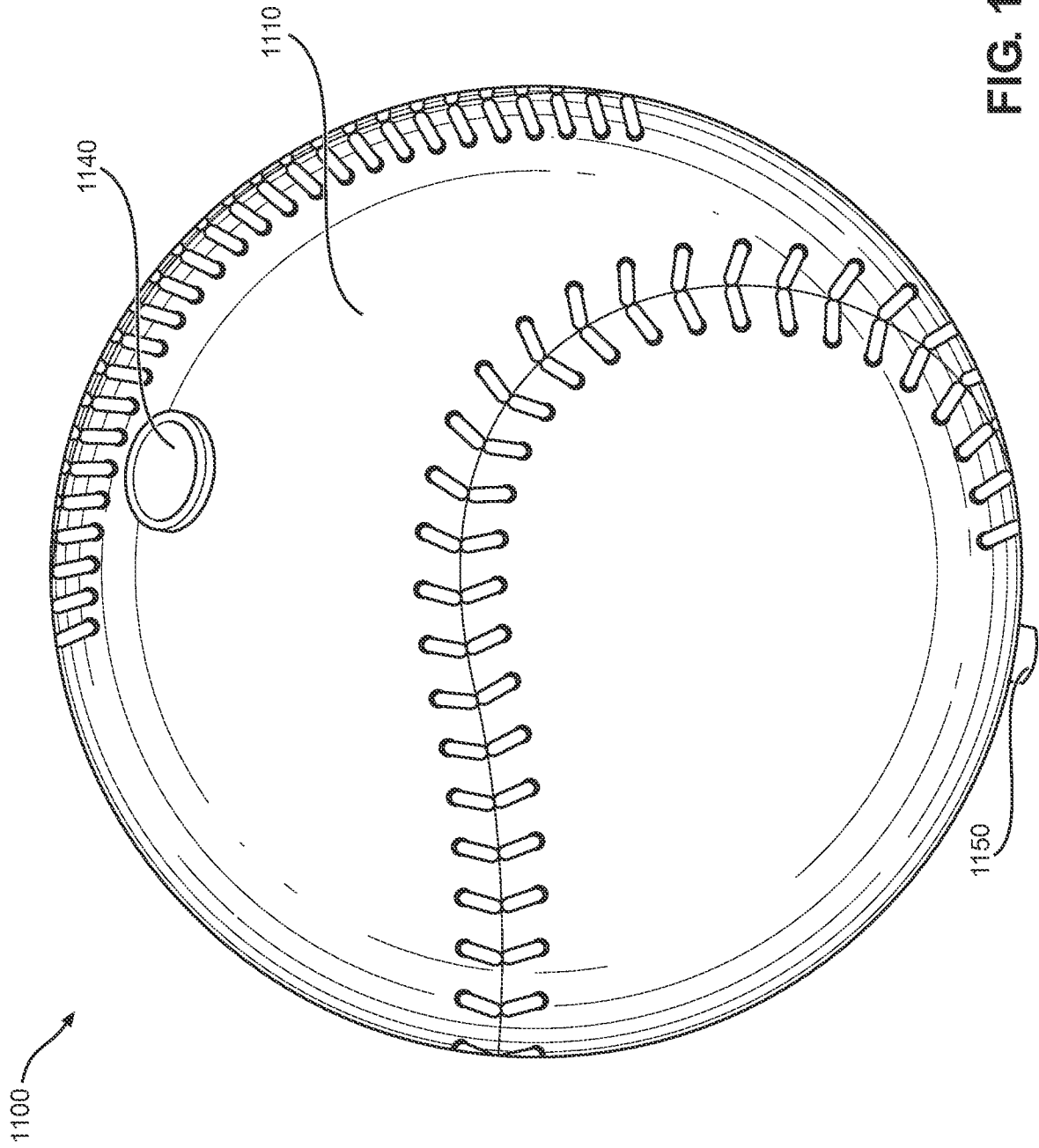


FIG. 10B

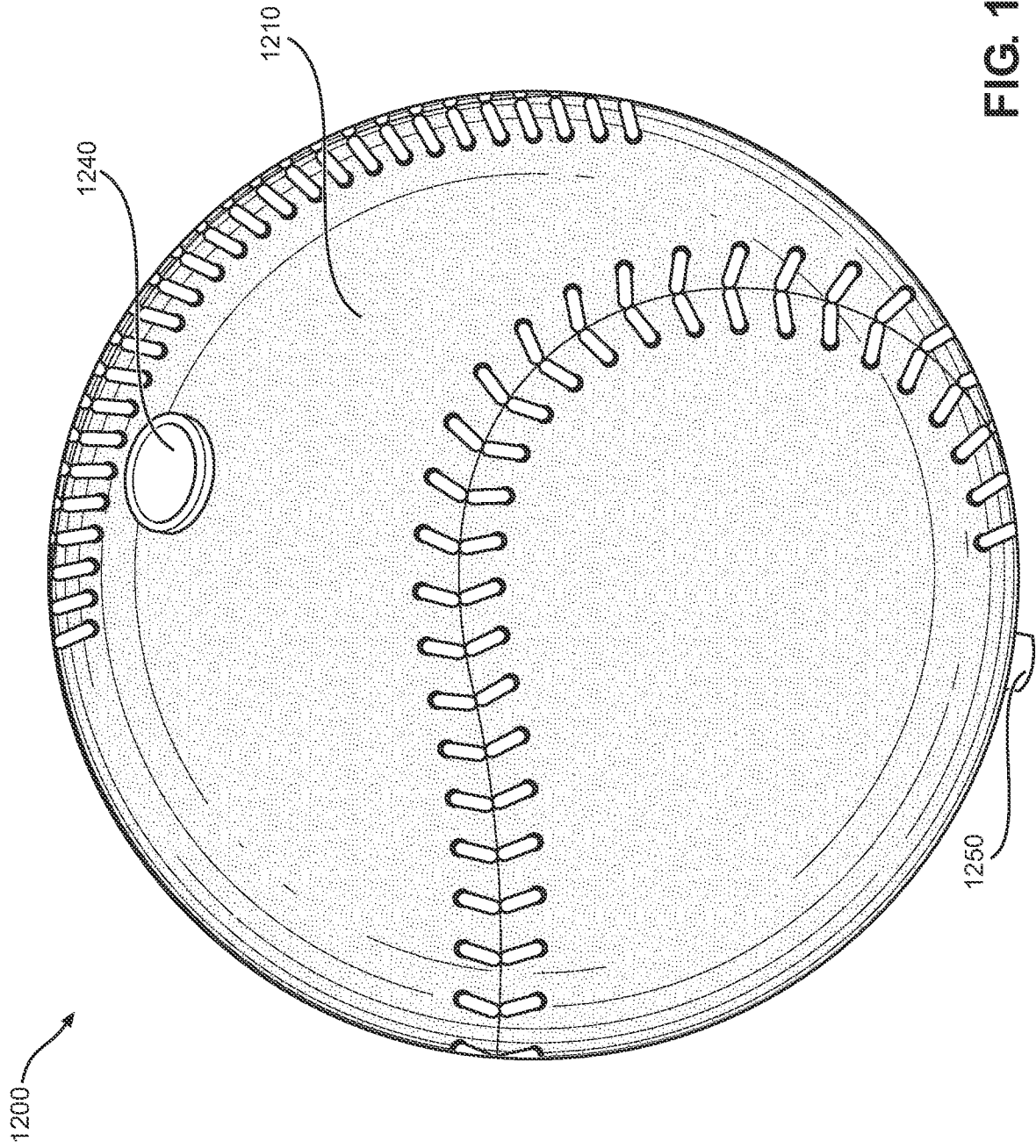


FIG. 10C

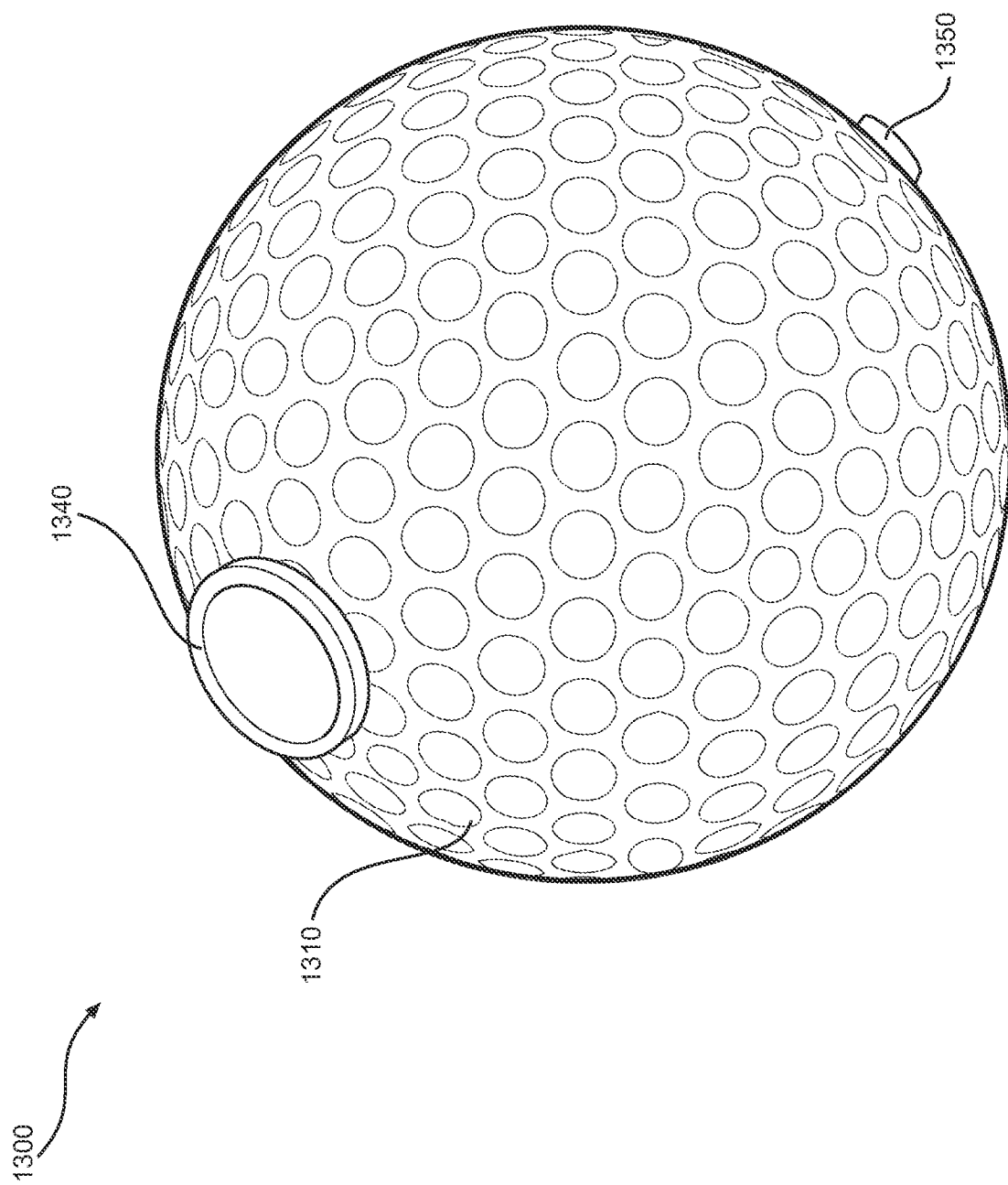


FIG. 10D

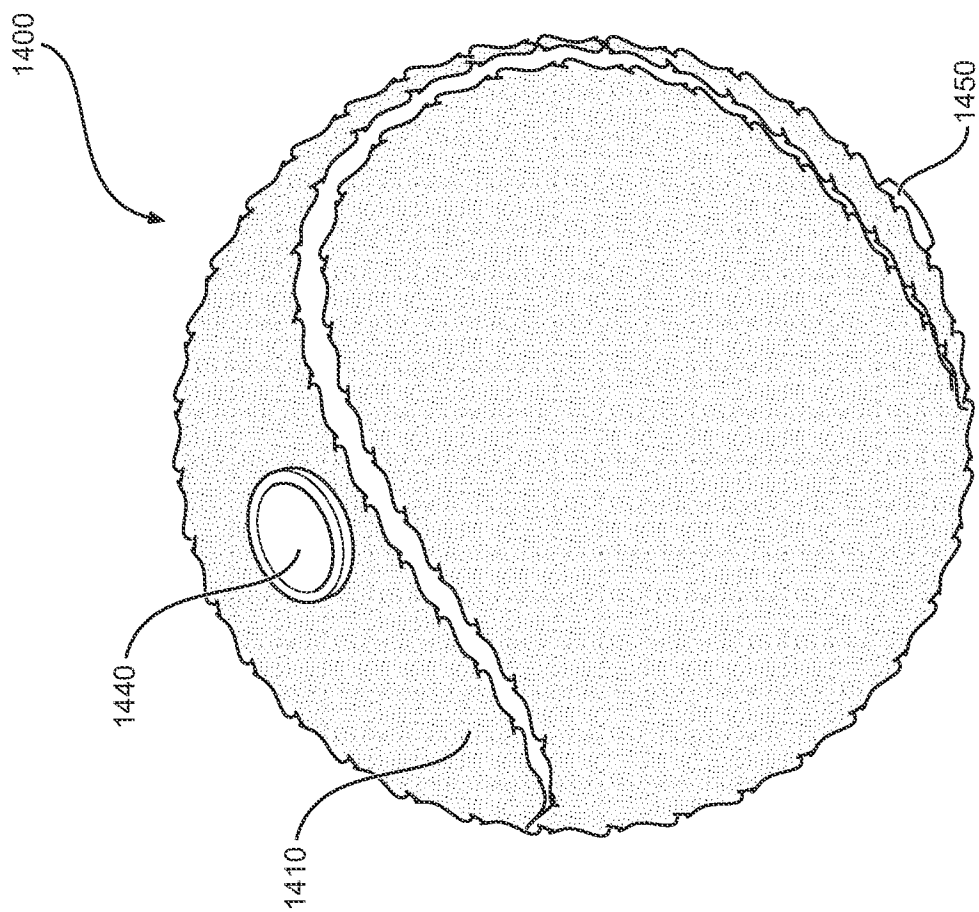


FIG. 10E

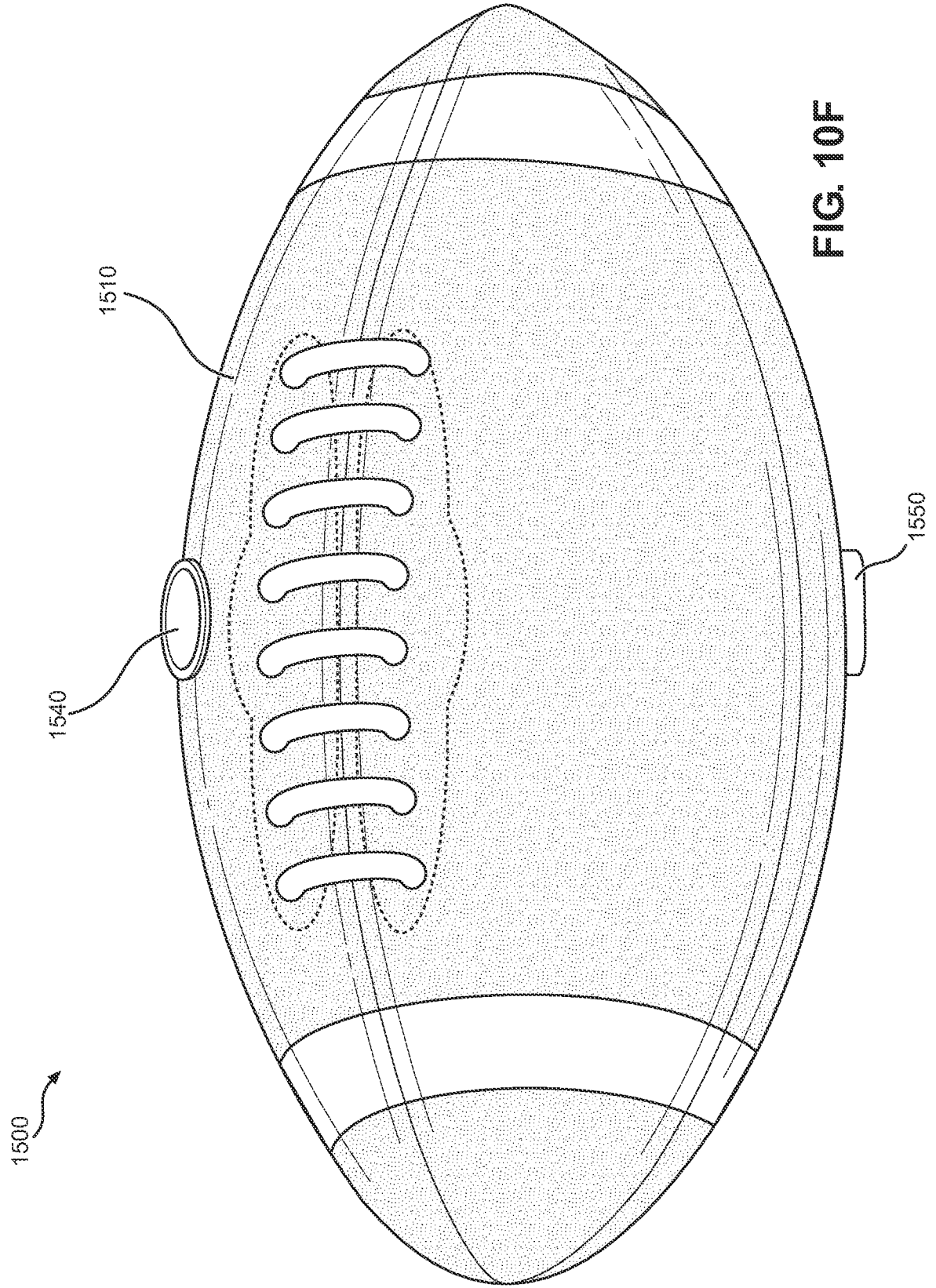


FIG. 10F

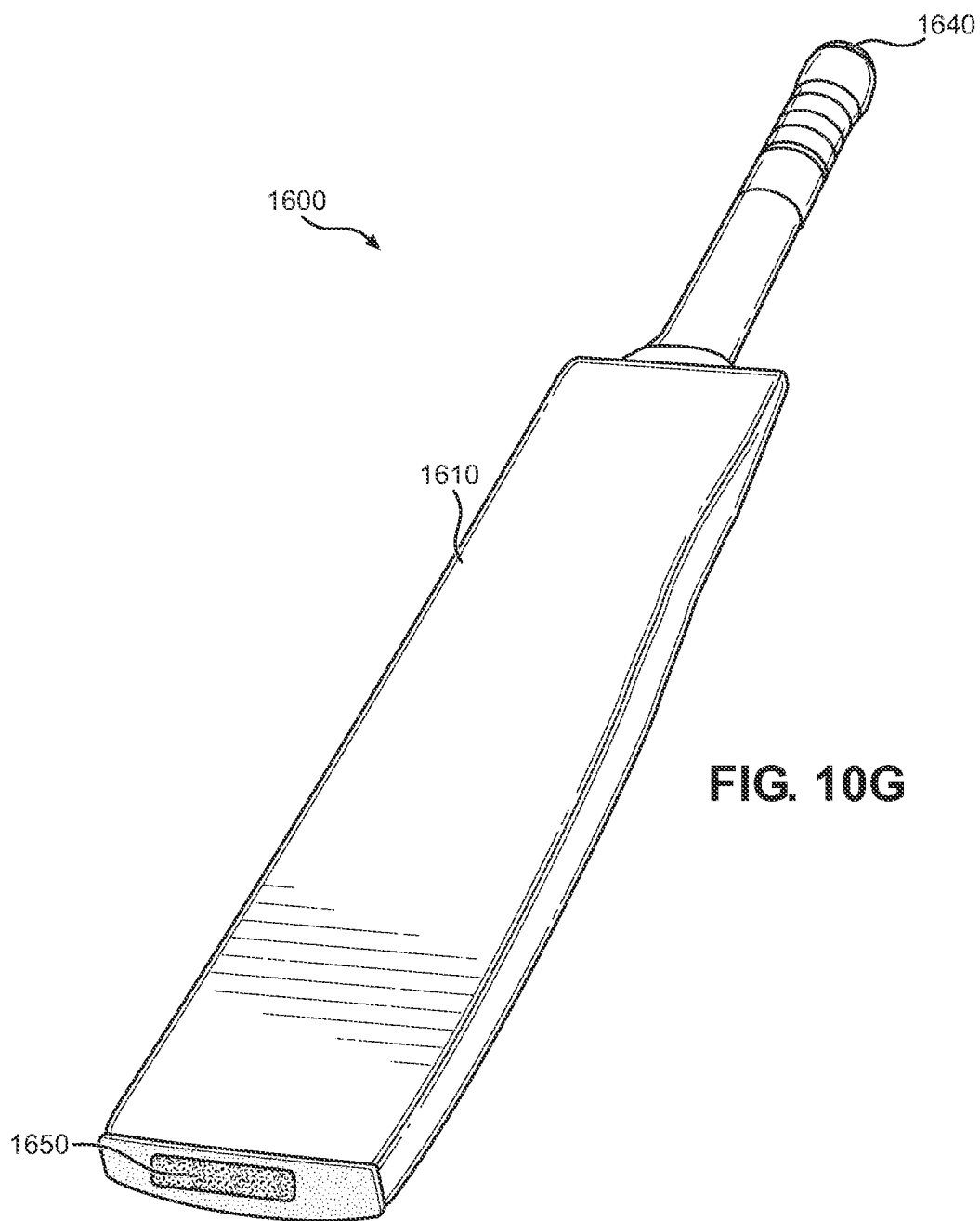


FIG. 10G

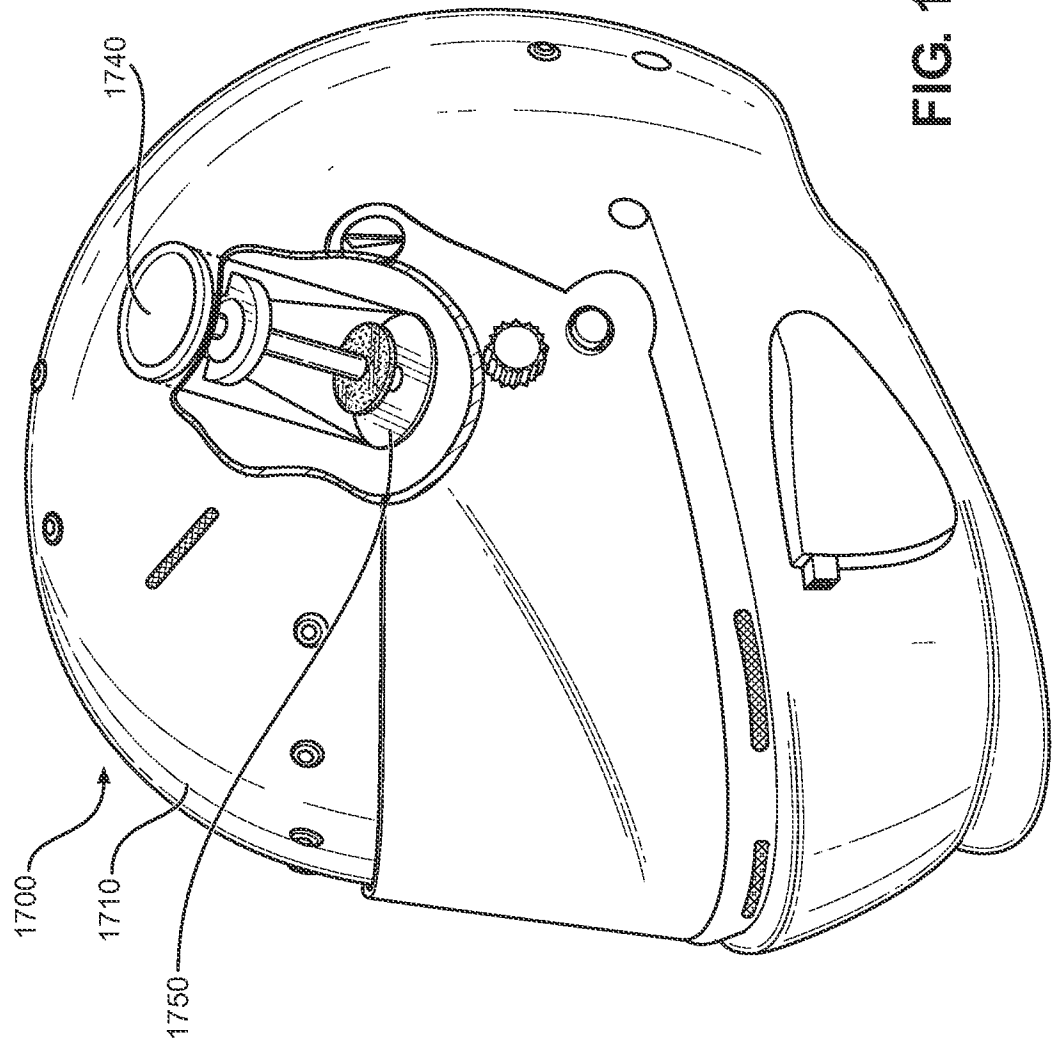


FIG. 10H

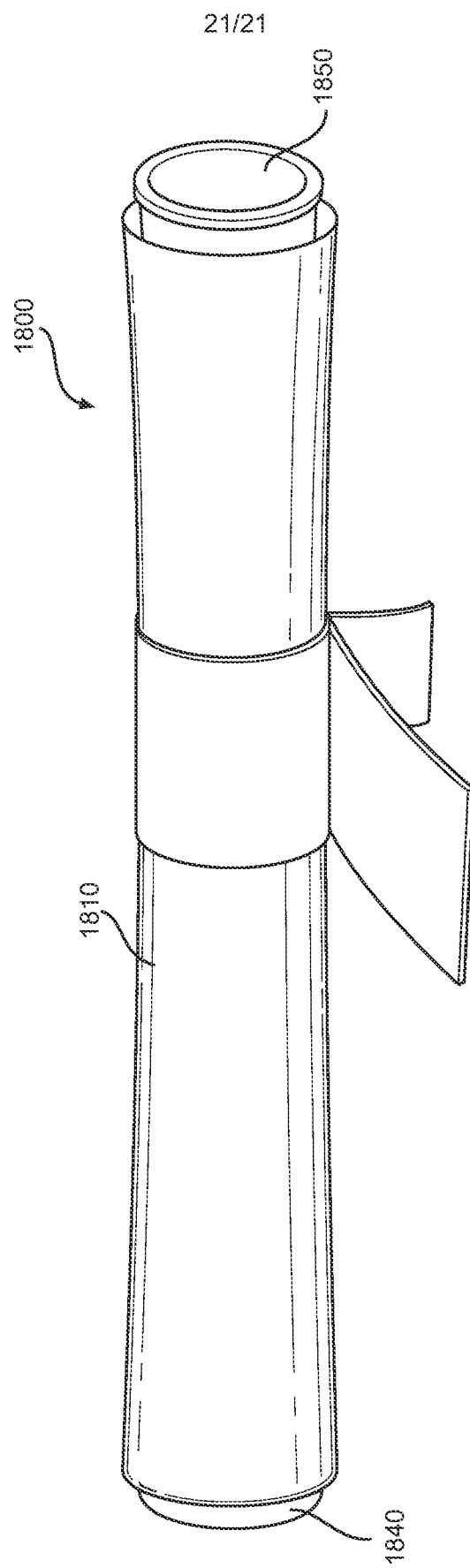


FIG. 10I

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	
Filing Date	
First Named Inventor	Allan Robert Bell Jr.
Title	SPORTS ARTICLE DISPLAY DEVICE
Art Unit	
Examiner Name	
Attorney Docket Number	Bell-P01

SIGNATURE of Applicant or Patent Practitioner

Signature	/Lev Iwashko/	Date (Optional)	
Name	Lev Iwashko	Registration Number	70168
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.



*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☒ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

135638

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

☒ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

- ☒ Inventor or Joint Inventor (title not required below)
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- ☐ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- ☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

/Allan Robert Bell Jr./

Date (Optional)

11/23/2022

Name

Allan Robert Bell Jr.

Title

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☒ Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

POWER OF ATTORNEY BY APPLICANT

No more than ten (10) patent practitioners total may be appointed as set forth below by name and registration number. This page need not be submitted if appointing the Patent Practitioner(s) associated with a Customer Number (see form PTO/AIA/82B):

[illegible]

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	Bell-P01
		Application Number	
Title of Invention	SPORTS ARTICLE DISPLAY DEVICE		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2:

☐	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--------------------------	---

Inventor Information:

Inventor	1				Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Allan	Robert	Bell	Jr.		
Residence Information (Select One) • US Residency Non US Residency Active US Military Service						
City	Suwanee	State/Province	GA	Country of Residence	US	
Mailing Address of Inventor:						
Address 1	157 Highgrove Drive					
Address 2						
City	Suwanee	State/Province	GA			
Postal Code	30024	Country	US			
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.						

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).	
☐ An Address is being provided for the correspondence Information of this application.	
Customer Number	135638
Email Address	leviwashko@gmail.com
Add Email Remove Email	

Application Information:

Title of the Invention	SPORTS ARTICLE DISPLAY DEVICE		
Attorney Docket Number	Bell-P01	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	21	Suggested Figure for Publication (if any)	1A

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	Bell-P01
		Application Number	
Title of Invention	SPORTS ARTICLE DISPLAY DEVICE		

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	135638		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status		Remove
Application Number	Continuity Type	Prior Application Number
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.		Add

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	Bell-P01
		Application Number	
Title of Invention	SPORTS ARTICLE DISPLAY DEVICE		

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	Bell-P01
		Application Number	
Title of Invention	SPORTS ARTICLE DISPLAY DEVICE		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	Bell-P01
		Application Number	
Title of Invention	SPORTS ARTICLE DISPLAY DEVICE		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.				
Applicant	1			Remove
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.				
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Assignee	Legal Representative under 35 U.S.C. 117		Joint Inventor	
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest		
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:				
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	Bell-P01
		Application Number	
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Assignee	1			
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
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See 37 CFR 1.4(d) for the manner of making signatures and certifications.

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First Name	Lev	Last Name	Iwashko	Registration Number
				70168
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	Bell-P01
		Application Number	
Title of Invention	SPORTS ARTICLE DISPLAY DEVICE		

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TITLE

SPORTS ARTICLE DISPLAY DEVICE

BACKGROUND

1. Field

[0001] The present general inventive concept relates generally to a display device, and particularly, to a sports article display device.

2. Description of the Related Art

[0002] Sports encompass a wide variety of physical activities and/or games, which require a high level of physical ability and/or skill. Moreover, sports can be played either individually and/or on a team. In many cases, a contest can be used to organize a series of competitions to determine a winner.

[0003] In some types of sports, the contests between the individual and/or the is arranged by a professional league. The contests may occur during a regular sports season that includes a fixed number of games until a playoff is held. Conclusion of the playoff is used to determine a champion during the regular sports season.

[0004] Fans of sports will frequently search for images of players, videos of games, sports statistics, photographs, and/or non-fungible tokens (NFT) on a computing device, such as a mobile device, a cell phone, a laptop computer, and a desktop computer. However, using the computing device takes time and is inefficient because a user will have to load up different programs and enable access to the computing device, such as a browser, an image viewer, and/or any other programs necessary to perform operations desired by the user.

[0005] Furthermore, the computing device lacks any support for sports. Specifically, the user cannot use the computing device to play a game and/or have appearance of a sports article (e.g., a ball, a helmet). In other words, the computing device lacks any utility that could be used for physical activity without causing damage to the computing device.

[0006] Therefore, there is a need for a sports article display device that can be used similar to any other sports article, but also allows sports related images, videos, photographs, and/or NFTs to be viewed during use.

SUMMARY

[0007] The present general inventive concept provides a sports article display device.

[0008] Additional features and utilities of the present general inventive concept will be set forth in part in the description which follows and, in part, will be obvious from the description, or may be learned by practice of the general inventive concept.

[0009] The foregoing and/or other features and utilities of the present general inventive concept may be achieved by providing a sports article display device, including a main body, an inner tube disposed within at least a portion of the main body, an eyepiece removably connected to at least a portion of the inner tube to facilitate viewing, and a filtering lens removably connected to at least a portion of the inner tube to receive a picture thereon to be viewed through the eyepiece.

[00010] The sports article display device may further include a viewer body removably disposed within at least a portion of the inner tube, the viewer body including a first section, and a second section removably connected to at least a portion of the first section, such that the first section and second section receive the filtering lens therebetween.

[00011] The first section and the second section each may include a magnifier receiving groove disposed on at least a portion of the first section and the second section, and a lens receiving groove disposed on at least a portion of the first section and the second section to receive the filtering lens therein, such that the lens receiving groove protrudes away from an outer surface of the first section and an outer surface of the second section, and is recessed on an interior of the first section and the second section.

[00012] The sports article display device may further include a magnification lens removably connected to at least a portion of the viewer body to magnify the picture on the filtering lens while viewing the picture through the eyepiece.

[00013] The filtering lens may receive light from an external environment to illuminate the picture.

[00014] The foregoing and/or other features and utilities of the present general inventive concept may also be achieved by providing a sports article display device,

including a main body, an inner tube disposed within at least a portion of the main body, a display unit disposed at an end of the inner tube to display at least one image thereon, and a control unit disposed within at least a portion of the inner tube and connected to the display unit to receive the at least one image to be displayed on the display unit.

[00015] The control unit may receive the at least one image from an external device connected to the control unit.

[00016] The control unit may adjust at least one setting in response to receiving an input signal from an external device.

[00017] The control unit may automatically retrieve the at least one image from an external device to be displayed on the display unit in response to the external device being within a predetermined distance of the control unit.

[00018] The sports article display device may further include an eyepiece removably connected to at least a portion of the inner tube to facilitate viewing of the display unit.

[00019] The foregoing and/or other features and utilities of the present general inventive concept may also be achieved by providing a sports article display device, including a main body, an inner tube disposed within at least a portion of the main body, an image projecting unit disposed within at least a portion of the main body to display at least one image away therefrom to another medium outside a boundary of the main body, and a control unit disposed within at least a portion of the inner tube and connected to the image projecting unit to receive the at least one image to be to be displayed by the image projecting unit.

[00020] The image projecting unit may project the at least one image on the another medium.

[00021] The image projecting unit may broadcast, via a signal, the at least one image onto an external display screen.

[00022] The image projecting unit may project a holographic display of the at least one image, such that the holographic display is three-dimensional.

[00023] The control unit may extract at least one of image data and video data stored thereon to overlay the at least one image.

[00024] The foregoing and/or other features and utilities of the present general inventive concept may also be achieved by providing a sports article display device, including a main body, an inner tube disposed within at least a portion of the main body, an eyepiece removably connected to at least a portion of the inner tube to facilitate viewing, a filtering lens removably connected to at least a portion of the inner tube to receive a picture thereon for viewing through the eyepiece, and an inflatable bladder disposed within at least a portion of the main body to contact at least a portion of an interior surface of the main body and prevent compression of the main body from an application of force.

[00025] The inflatable bladder may increase a rigidity level of the main body.

[00026] The inflatable bladder may have a ring shape.

[00027] The sports article display device may further include an inflation aperture disposed on at least a portion of the main body to receive an air supply unit therein.

[00028] The inflation aperture may connect only to the inflatable bladder.

[00029] The foregoing and/or other features and utilities of the present general inventive concept may also be achieved by providing a sports article display device, including a main body, an inner tube disposed within at least a portion of the main body, an eyepiece removably connected to at least a portion of the inner tube to facilitate viewing, a display unit disposed within at least a portion of the inner tube to perform at least one of receiving at least one picture thereon for viewing through the eyepiece, displaying at least one image thereon, and displaying the at least one image away therefrom to another medium outside a boundary of the main body, a control unit disposed within at least a portion of the inner tube and connected to the display unit to receive the at least image to be displayed on the display unit, and an inflatable bladder disposed within at least a portion of the main body to contact at least a portion of an interior surface of the main body and prevent compression of the main body from an application of force.

[00030] The eyepiece may be prevented from viewing the at least one image while the at least one picture remains on the display unit.

[00031] The control unit may prevent the display unit from displaying the at least one image in response to the display unit detecting a presence of the at least one picture.

[00032] The control unit may extract at least one of image data and video data stored thereon to overlay the at least one image.

[00033] The sports article display device may further include an inflation aperture disposed on at least a portion of the main body to receive an air supply unit therein.

BRIEF DESCRIPTION OF THE DRAWINGS

[00034] These and/or other features and utilities of the present generally inventive concept will become apparent and more readily appreciated from the following description of the embodiments, taken in conjunction with the accompanying drawings of which:

[00035] FIG. 1A illustrates a sectional view of a sports article display device, according to an exemplary embodiment of the present general inventive concept;

[00036] FIG. 1B illustrates a sectional view of the sports article display device, according to an exemplary embodiment of the present general inventive concept;

[00037] FIG. 1C illustrates a sectional view of the sports article display device, according to an exemplary embodiment of the present general inventive concept;

[00038] FIG. 1D illustrates a sectional view of the sports article display device, according to an exemplary embodiment of the present general inventive concept;

[00039] FIG. 2 illustrates a sectional view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00040] FIG. 3 illustrates a sectional view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00041] FIG. 4 illustrates a sectional view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00042] FIG. 5 illustrates a sectional view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00043] FIG. 6 illustrates a sectional view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00044] FIG. 7 illustrates a sectional view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00045] FIG. 8 illustrates a sectional view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00046] FIG. 9 illustrates a sectional view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00047] FIG. 10A illustrates a perspective view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00048] FIG. 10B illustrates a perspective view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00049] FIG. 10C illustrates a perspective view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00050] FIG. 10D illustrates a perspective view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00051] FIG. 10E illustrates a perspective view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00052] FIG. 10F illustrates a perspective view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00053] FIG. 10G illustrates a perspective view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;

[00054] FIG. 10H illustrates a perspective view of a sports article display device, according to another exemplary embodiment of the present general inventive concept;
and

[00055] FIG. 10I illustrates a perspective view of a sports article display device, according to another exemplary embodiment of the present general inventive concept.

DETAILED DESCRIPTION

[00056] Various example embodiments (a.k.a., exemplary embodiments) will now be described more fully with reference to the accompanying drawings in which some example embodiments are illustrated. In the figures, the thicknesses of lines, layers and/or regions may be exaggerated for clarity.

[00057] Accordingly, while example embodiments are capable of various modifications and alternative forms, embodiments thereof are shown by way of example in the figures and will herein be described in detail. It should be understood, however, that there is no intent to limit example embodiments to the particular forms disclosed, but on the contrary, example embodiments are to cover all modifications, equivalents, and alternatives falling within the scope of the disclosure. Like numbers refer to like/similar elements throughout the detailed description.

[00058] It is understood that when an element is referred to as being “connected” or “coupled” to another element, it can be directly connected or coupled to the other element or intervening elements may be present. In contrast, when an element is referred to as being “directly connected” or “directly coupled” to another element, there are no intervening elements present. Other words used to describe the relationship between elements should be interpreted in a like fashion (e.g., “between” versus “directly between,” “adjacent” versus “directly adjacent,” etc.).

[00059] The terminology used herein is for the purpose of describing particular embodiments only and is not intended to be limiting of example embodiments. As used herein, the singular forms “a,” “an” and “the” are intended to include the plural forms as well, unless the context clearly indicates otherwise. It will be further understood that the terms “comprises,” “comprising,” “includes” and/or “including,” when used herein, specify the presence of stated features, integers, steps, operations, elements and/or components, but do not preclude the presence or addition of one or more other features, integers, steps, operations, elements, components and/or groups thereof.

[00060] Unless otherwise defined, all terms (including technical and scientific terms) used herein have the same meaning as commonly understood by one of ordinary skill in the art to which example embodiments belong. It will be further understood that terms, e.g., those defined in commonly used dictionaries, should be interpreted as having a meaning that is consistent with their meaning in the context of the relevant art. However, should the present disclosure give a specific meaning to a term deviating from a meaning commonly understood by one of ordinary skill, this meaning is to be taken into account in the specific context this definition is given herein.

[00061] List of Components

[00062] Sports Article Display Device 100

- [00063]** Main Body 110
- [00064]** Inner Tube 120
- [00065]** Viewer Body 130
- [00066]** First Section 131
- [00067]** First Magnifier Receiving Groove 131a
- [00068]** First Lens Receiving Groove 131b
- [00069]** Second Section 132
- [00070]** Second Magnifier Receiving Groove 132a
- [00071]** Second Lens Receiving Groove 132b
- [00072]** Eyepiece 140
- [00073]** Filtering Lens 150
- [00074]** Magnification Lens 160
- [00075]** Sports Article Display Device 200
- [00076]** Main Body 210
- [00077]** Inner Tube 220
- [00078]** Eyepiece 230
- [00079]** Filtering Lens 240
- [00080]** Sports Article Display Device 300
- [00081]** Main Body 310
- [00082]** Inner Tube 320
- [00083]** Eyepiece 330
- [00084]** Display Unit 340
- [00085]** Control Unit 350
- [00086]** Processing Unit 351
- [00087]** Communication Unit 352

- [00088]** Storage Unit 353
- [00089]** Connection Port 360
- [00090]** Power Source 370
- [00091]** Control Panel 380
- [00092]** Sports Article Display Device 400
- [00093]** Main Body 410
- [00094]** Inner Tube 420
- [00095]** Eyepiece 430
- [00096]** Image Projecting Unit 440
- [00097]** Control Unit 450
- [00098]** Processing Unit 451
- [00099]** Communication Unit 452
- [000100]** Storage Unit 453
- [000101]** Connection Port 460
- [000102]** Power Source 470
- [000103]** Control Panel 480
- [000104]** Sports Article Display Device 500
- [000105]** Main Body 510
- [000106]** Inner Tube 520
- [000107]** Viewer Body 530
- [000108]** First Section 531
- [000109]** First Magnifier Receiving Groove 531a
- [000110]** First Lens Receiving Groove 531b
- [000111]** Second Section 532
- [000112]** Second Magnifier Receiving Groove 532a

- [000113]** Second Lens Receiving Groove 532b
- [000114]** Eyepiece 540
- [000115]** Filtering Lens 550
- [000116]** Magnification Lens 560
- [000117]** Inflatable Bladder 570
- [000118]** Inflation Aperture 580
- [000119]** Sports Article Display Device 600
- [000120]** Main Body 610
- [000121]** Inner Tube 620
- [000122]** Viewer Body 630
- [000123]** First Section 631
- [000124]** First Magnifier Receiving Groove 631a
- [000125]** First Lens Receiving Groove 631b
- [000126]** Second Section 632
- [000127]** Second Magnifier Receiving Groove 632a
- [000128]** Second Lens Receiving Groove 632b
- [000129]** Eyepiece 640
- [000130]** Display Unit 650
- [000131]** Inflatable Bladder 655
- [000132]** Inflation Aperture 656
- [000133]** Magnification Lens 660
- [000134]** Control Unit 670
- [000135]** Processing Unit 671
- [000136]** Communication Unit 672
- [000137]** Storage Unit 673

- [000138]** Connection Port 680
- [000139]** Control Panel 685
- [000140]** Power Source 690
- [000141]** Sports Article Display Device 700
- [000142]** Main Body 710
- [000143]** Inner Tube 720
- [000144]** Viewer Body 730
- [000145]** First Section 731
- [000146]** First Magnifier Receiving Groove 731a
- [000147]** First Lens Receiving Groove 731b
- [000148]** Second Section 732
- [000149]** Second Magnifier Receiving Groove 732a
- [000150]** Second Lens Receiving Groove 732b
- [000151]** Eyepiece 740
- [000152]** Filtering Lens 750
- [000153]** Magnification Lens 760
- [000154]** Sports Article Display Device 800
- [000155]** Main Body 810
- [000156]** Inner Tube 820
- [000157]** Viewer Body 830
- [000158]** First Section 831
- [000159]** First Magnifier Receiving Groove 831a
- [000160]** First Lens Receiving Groove 831b
- [000161]** Second Section 832
- [000162]** Second Magnifier Receiving Groove 832a

- [000163]** Second Lens Receiving Groove 832b
- [000164]** Eyepiece 840
- [000165]** Filtering Lens 850
- [000166]** Magnification Lens 860
- [000167]** Sports Article Display Device 900
- [000168]** Main Body 910
- [000169]** Inner Tube 920
- [000170]** Viewer Body 930
- [000171]** First Section 931
- [000172]** First Magnifier Receiving Groove 931a
- [000173]** First Lens Receiving Groove 931b
- [000174]** Second Section 932
- [000175]** Second Magnifier Receiving Groove 932a
- [000176]** Second Lens Receiving Groove 932b
- [000177]** Eyepiece 940
- [000178]** Filtering Lens 950
- [000179]** Magnification Lens 960
- [000180]** Sports Article Display Device 1000
- [000181]** Main Body 1010
- [000182]** Eyepiece 1040
- [000183]** Filtering Lens 1050
- [000184]** Sports Article Display Device 1000
- [000185]** Main Body 1010
- [000186]** Eyepiece 1040
- [000187]** Filtering Lens 1050

- [000188]** Sports Article Display Device 1100
- [000189]** Main Body 1110
- [000190]** Eyepiece 1140
- [000191]** Filtering Lens 1150
- [000192]** Sports Article Display Device 1200
- [000193]** Main Body 1210
- [000194]** Eyepiece 1240
- [000195]** Filtering Lens 1250
- [000196]** Sports Article Display Device 1300
- [000197]** Main Body 1310
- [000198]** Eyepiece 1340
- [000199]** Filtering Lens 1350
- [000200]** Sports Article Display Device 1400
- [000201]** Main Body 1410
- [000202]** Eyepiece 1440
- [000203]** Filtering Lens 1450
- [000204]** Sports Article Display Device 1500
- [000205]** Main Body 1510
- [000206]** Eyepiece 1540
- [000207]** Filtering Lens 1550
- [000208]** Sports Article Display Device 1600
- [000209]** Main Body 1610
- [000210]** Eyepiece 1640
- [000211]** Filtering Lens 1650
- [000212]** Sports Article Display Device 1700

[000213] Main Body 1710

[000214] Eyepiece 1740

[000215] Filtering Lens 1750

[000216] Sports Article Display Device 1800

[000217] Main Body 1810

[000218] Eyepiece 1840

[000219] Filtering Lens 1850

[000220] FIG. 1A illustrates a sectional view of a sports article display device 100, according to an exemplary embodiment of the present general inventive concept.

[000221] FIG. 1B illustrates a sectional view of the sports article display device 100, according to an exemplary embodiment of the present general inventive concept.

[000222] FIG. 1C illustrates a sectional view of the sports article display device 100, according to an exemplary embodiment of the present general inventive concept.

[000223] FIG. 1D illustrates a sectional view of the sports article display device 100, according to an exemplary embodiment of the present general inventive concept.

[000224] The sports article display device 100 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000225] The sports article display device 100 may include a main body 110, an inner tube 120, a viewer body 130, an eyepiece 140, a filtering lens 150, and a magnification lens 160, but is not limited thereto.

[000226] Referring to FIGS. 1A through 1D, the main body 110 is illustrated to be a soccer ball. However, the main body 110 may be any type of ball, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto.

[000227] The main body 110 may be elastic and/or spherical in shape. More specifically, the main body 110 may at least partially deform in response to an application of force (e.g., pushing, striking) thereto.

[000228] The inner tube 120 may be elongate and/or have a cylindrical shape. However, the inner tube 120 may be rectangular, circular, triangular, pentagonal,

hexagonal, heptagonal, octagonal, or any other shape known to one of ordinary skill in the art, but is not limited thereto. Additionally, the inner tube 120 may extend at least a portion of a size (e.g., a diameter, a length) of the main body 110.

[000229] The inner tube 120 may be disposed within at least a portion of an interior of the main body 110. Moreover, the inner tube 120 may be obscured (i.e., not visible) from an outer surface of the main body 110 and/or an external environment surrounding the main body 110.

[000230] The viewer body 130 may be removably disposed (i.e., inserted, attached) within at least a portion of the inner tube 120.

[000231] The viewer body 130 may include a first section 131 and a second section 132, but is not limited thereto.

[000232] The first section 131 and/or the second section 132 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to each other. The second section 132 may have a size (e.g., a length, a width, a height) equivalent to a size (e.g., a length, a width, a height) of the first section 131.

[000233] The first section 131 may include a first magnifier receiving groove 131a and a first lens receiving groove 131b, but is not limited thereto.

[000234] The first magnifier receiving groove 131a may be disposed on at least a portion of the first section 131. The first magnifier receiving groove 131a may protrude away from an outer surface of the first section 131 and be recessed on an interior of the first section 131 corresponding to the protrusion of the first magnifier receiving groove 131a on the outer surface of the first section 131.

[000235] The first lens receiving groove 131b may be disposed on at least a portion of a first end of the first section 131. The first lens receiving groove 131b may protrude away from the outer surface of the first section 131 and be recessed on the interior of the first section 131 corresponding to the protrusion of the first lens receiving groove 131b on the outer surface of the first section 131. Also, the first lens receiving groove 131b may be disposed at a distance away from the first magnifier receiving groove 131a.

[000236] The second section 132 may include a second magnifier receiving groove 132a and a second lens receiving groove 132b, but is not limited thereto.

[000237] The second magnifier receiving groove 132a may be disposed on at least a portion of the second section 132. The second magnifier receiving groove 132a may protrude away from an outer surface of the second section 132 and be recessed on an interior of the second section 132 corresponding to the protrusion of the second magnifier receiving groove 132a on the outer surface of the second section 132.

[000238] The second lens receiving groove 132b may be disposed on at least a portion of a first end of the second section 132. The second lens receiving groove 132b may protrude away from the outer surface of the second section 132 and be recessed on the interior of the second section 132 corresponding to the protrusion of the second lens receiving groove 132b on the outer surface of the second section 132. Also, the second lens receiving groove 132b may be disposed at a distance away from the second magnifier receiving groove 132a.

[000239] The eyepiece 140 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the inner tube 120 and/or a second end of the first section 131 and/or a second end of the second section 132. The eyepiece 140 may include a viewing lens to view contents within the first section 131 and/or the second section 132 by a user. In other words, the eyepiece 140 may facilitate viewing within the first section 131 and/or the second section 132.

[000240] The filtering lens 150 may include a transparent optical lens, but is not limited thereto.

[000241] The filtering lens 150 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) within the inner tube 120 to at least a portion of the second end of the first section 131 and/or the second end of the second section 132. More specifically, the filtering lens 150 may be removably connected within the first lens receiving groove 131b and/or the second lens receiving groove 132b. In other words, the first section 131 and/or the second section 132 may receive the filtering lens 150 therebetween.

[000242] Additionally, the filtering lens 150 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the filtering lens 150 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 140 may be used to view the picture 10 disposed on the filtering lens 150. As

such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000243] The magnification lens 160 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the first section 131 and/or the second section 132. More specifically, the magnification lens 160 may be removably connected within the first magnifier receiving groove 131a and/or the second magnifier receiving groove 132a. In other words, the first section 131 and/or the second section 132 may receive the magnification lens 160 therebetween.

[000244] The magnification lens 160 may refract light moving therethrough. Moreover, the magnification lens 160 may magnify the picture 10 on the filtering lens 150 while being viewed through the eyepiece 140. As such, the magnification lens 160 may enhance and/or improve viewing of the picture 10 by the user.

[000245] Therefore, the sports article display device 100 may allow viewing of the picture 10 while allowing enjoyment of the main body 110 that represents sports memorabilia. Also, the sports article display device 100 may be used for a purpose related to sports.

[000246] FIG. 2 illustrates a sectional view of a sports article display device 200, according to another exemplary embodiment of the present general inventive concept.

[000247] The sports article display device 200 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000248] The sports article display device 200 may include a main body 210, an inner tube 220, an eyepiece 230, and a filtering lens 240, but is not limited thereto.

[000249] Referring to FIG. 2, the main body 210 is illustrated to be a soccer ball. However, the main body 210 may be any type of ball, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto.

[000250] The main body 210 may be elastic. More specifically, the main body 210 may at least partially deform in response to an application of force (e.g., pushing, striking) thereto.

[000251] The inner tube 220 may be elongate and/or have a cylindrical shape. However, the inner tube 220 may be rectangular, circular, triangular, pentagonal, hexagonal, heptagonal, octagonal, or any other shape known to one of ordinary skill in the art, but is not limited thereto. Additionally, the inner tube 220 may extend at least a portion of a size (e.g., a diameter, a length) of the main body 210.

[000252] The inner tube 220 may be disposed within at least a portion of an interior of the main body 210. Moreover, the inner tube 220 may be obscured (i.e., not visible) from an outer surface of the main body 210 and/or an external environment surrounding the main body 210.

[000253] The eyepiece 230 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of a first end of the inner tube 220. The eyepiece 230 may include a viewing lens to view contents within the inner tube 220 by a user. In other words, the eyepiece 230 may facilitate viewing within the inner tube 220.

[000254] The filtering lens 240 may include a transparent optical lens, but is not limited thereto.

[000255] The filtering lens 240 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of a second end of the inner tube 220. More specifically, the filtering lens 240 may be removably connected within the inner tube 220.

[000256] Additionally, the filtering lens 240 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the filtering lens 240 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 230 may be used to view the picture 10 disposed on the filtering lens 240. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000257] Therefore, the sports article display device 200 may allow viewing of the picture 10 while allowing enjoyment of the main body 210 that represents sports

memorabilia. Also, the sports article display device 200 may be used for a purpose related to sports.

[000258] FIG. 3 illustrates a sectional view of a sports article display device 300, according to another exemplary embodiment of the present general inventive concept.

[000259] The sports article display device 300 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000260] The sports article display device 300 may include a main body 310, an inner tube 320, an eyepiece 330, a display unit 340, a control unit 350, a connection port 360, a power source 370, and a control panel 380, but is not limited thereto.

[000261] Referring to FIG. 3, the main body 310 is illustrated to be a soccer ball. However, the main body 310 may be any type of ball, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto.

[000262] The main body 310 may be elastic. More specifically, the main body 310 may at least partially deform in response to an application of force (e.g., pushing, striking) thereto.

[000263] The inner tube 320 may be elongate and/or have a cylindrical shape. However, the inner tube 320 may be rectangular, circular, triangular, pentagonal, hexagonal, heptagonal, octagonal, or any other shape known to one of ordinary skill in the art, but is not limited thereto. Additionally, the inner tube 320 may extend at least a portion of a size (e.g., a diameter, a length) of the main body 310.

[000264] The inner tube 320 may be disposed within at least a portion of an interior of the main body 310. Moreover, the inner tube 320 may be obscured (i.e., not visible) from an outer surface of the main body 310 and/or an external environment surrounding the main body 310.

[000265] The eyepiece 330 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of a first end of the inner tube 320. The eyepiece 330 may include a viewing lens to view contents within the inner tube 320 by a user. In other words, the eyepiece 330 may facilitate viewing within the inner tube 320.

[000266] The display unit 340 may include a plasma screen, an LCD screen, a light emitting diode (LED) screen, an organic LED (OLED) screen, a computer monitor, a hologram output unit, a sound outputting unit, or any other type of device that visually or aurally displays data.

[000267] The display unit 340 may be disposed within at least a portion of a second end of the inner tube 320 and/or within at least a portion of the main body 310. The display unit 340 may display an image 15 thereon, such as a sheet of sports statistics, a digital photograph, a digital painting, a video, a video of a player, a video of a sports game, a non-fungible token (NFT), and/or a digital image. In other words, the display unit 340 may use a screen to display the image 15. It is important to note that this substantially differs from the picture 10 used for the sports article display device 100 and/or the sports article display device 200.

[000268] Accordingly, the eyepiece 330 may be used to view the image 15 displayed on the display unit 340. As such, the user may view the image 15 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user

[000269] The control unit 350 may be disposed within at least a portion of the inner tube 320 and/or connected to the display unit 340.

[000270] The control unit 350 may include a processing unit 351, a communication unit 352, and a storage unit 353, but is not limited thereto.

[000271] The processing unit 351 (or central processing unit, CPU) may include electronic circuitry to carry out instructions of a computer program by performing basic arithmetic, logical, control and input/output (I/O) operations specified by the instructions. The processing unit 351 may include an arithmetic logic unit (ALU) that performs arithmetic and logic operations, processor registers that supply operands to the ALU and store the results of ALU operations, and a control unit that fetches instructions from memory and "executes" them by directing the coordinated operations of the ALU, registers and other components. The processing unit 351 may also include a microprocessor and a microcontroller.

[000272] The communication unit 352 may include a device capable of wireless or wired communication between other wireless or wired devices via at least one of Wi-Fi,

Wi-Fi Direct, infrared (IR) wireless communication, satellite communication, broadcast radio communication, Microwave radio communication, Bluetooth, Bluetooth Low Energy (BLE), Zigbee, near field communication (NFC), and radio frequency (RF) communication, USB, global positioning system (GPS), Firewire, and Ethernet.

[000273] The storage unit 353 may include a random access memory (RAM), a read-only memory (ROM), a hard disk, a flash drive, a database connected to the Internet, cloud-based storage, Internet-based storage, or any other type of storage unit.

[000274] The control unit 350 may access the Internet via the communication unit 352 to allow the user to access a website, and/or may allow a software application to be executed using the processing unit 351. For ease of description, the software application will be hereinafter referred to as an app. The app may be downloaded from the Internet to be stored on the storage unit 353.

[000275] The processing unit 351 executing the app may receive and/or retrieve the image 15 from the storage unit 353 to be displayed by the display unit 340. Moreover, the processing unit 351 executing the app may send a variety of and/or a plurality of images 15 to the display unit 340 based on the preference of the user. Accordingly, the display unit 340 may cycle through the plurality of images 15 at a predetermined interval based on instructions received by the processing unit 351 executing the app. The processing unit 351 executing the app may extract image data and/or video data stored on the storage unit 353 to overlay the image data and/or the video data on the image 15 (e.g., a picture of the user with a sports player).

[000276] The communication unit 352 may receive an input signal from an external device 20 (e.g., a mobile device, a cell phone, a laptop computer, a desktop computer, a tablet computer, a personal digital assistant (PDA), a smart watch, a cloud computer, a cloud storage device, a network computer) to adjust at least one setting of the processing unit 351 via the app. For example, the processing unit 351 may receive the input signal from the external device 20 to display a single image 15 and/or the plurality of images 15.

[000277] Furthermore, the communication unit 352 may receive a signal from the external device 20 to be processed by the processing unit 351 to display the image 15 on the display unit 340. In other words, the display unit 340 may display the image 15 in response to the communication unit 352 receiving the signal from the external device 20.

Also, the processing unit 351 may automatically retrieve the image 15 from the external device 20 to be displayed by the display unit 340 in response to the external device 20 moving within a predetermined distance (e.g., one foot, two feet, five feet, ten feet, twenty feet) from the communication unit 352 (e.g., via NFC).

[000278] The storage unit 353 may store the image 15, the plurality of images 15, the at least one setting of the processing unit 351, and/or the app thereon. As such, the processing unit 351 may execute instructions of the app and/or retrieve data stored on the storage unit 353.

[000279] The connection port 360 may include a universal serial bus (USB) port, a serial port, a parallel port, a FireWire port, and an Ethernet port, but is not limited thereto.

[000280] The connection port 360 may be disposed on and/or within at least a portion of the main body 310. The connection port 360 may receive and/or connect to an external cord therein. For example, the connection port 360 may connect to the external device 20 using the external cord. Alternatively, the connection port 360 may be used to charge the power source 370.

[000281] Furthermore, the connection port 360 may be used to receive and/or connect to a flash drive and/or a cloud device. In other words, the processing unit 351 executing the app may extract the image 15 from the flash drive, the cloud device, and/or the external device 20 to be displayed by the display unit 340.

[000282] The power source 370 may include a power inlet, a battery, and a solar cell, but is not limited thereto.

[000283] The power source 370 may be disposed on and/or within at least a portion of the main body 310. The power source 370 may provide power to the display unit 340, the control unit 350, and/or the connection port 360. The power source 370 may charge the battery in response to receiving power from an external power source (e.g., a power outlet) through the connection port 360 and/or receiving light from an external light source via the solar cell.

[000284] The control panel 380 may include a power button (e.g., on/off button), a menu button, a plurality of scrolling buttons (e.g., an up button, a down button), and an enter button, but is not limited thereto.

[000285] The control panel 380 may be disposed on at least a portion of the main body 310. The control panel 380 may turn on the display unit 340, the control unit 350, the connection port 360, and/or the power source 370 in response to depressing the power button a first time. Conversely, the control panel 380 may turn off the display unit 340, the control unit 350, the connection port 360, and/or the power source 370 in response to depressing the power button a second time. Additionally, the control panel 380 may activate a menu on the display unit 340, such that at least one of the plurality of images 15 may be selected. Moreover, the plurality of scrolling buttons of the control panel 380 may be used to select options of the menu on the display unit 340. Lastly, the enter button of the control panel 380 may be used to enter (i.e., confirm) entry of a selection, such as the image 15 to be displayed on the display unit 340.

[000286] The external device 20 may perform all function of the control panel 380.

[000287] Therefore, the sports article display device 300 may allow viewing of the image 15 while allowing enjoyment of the main body 310 that represents sports memorabilia. Also, the sports article display device 300 may be used for a purpose related to sports.

[000288] FIG. 4 illustrates a sectional view of a sports article display device 400, according to another exemplary embodiment of the present general inventive concept.

[000289] The sports article display device 400 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000290] The sports article display device 400 may include a main body 410, an inner tube 420, an eyepiece 430, an image projecting unit 440, a control unit 450, a connection port 460, and a power source 470, but is not limited thereto.

[000291] Referring to FIG. 4, the main body 410 is illustrated to be a soccer ball. However, the main body 410 may be any type of ball, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto.

[000292] The main body 410 may be elastic. More specifically, the main body 410 may at least partially deform in response to an application of force (e.g., pushing, striking) thereto.

[000293] The inner tube 420 may be elongate and/or have a cylindrical shape. However, the inner tube 420 may be rectangular, circular, triangular, pentagonal,

hexagonal, heptagonal, octagonal, or any other shape known to one of ordinary skill in the art, but is not limited thereto. Additionally, the inner tube 420 may extend at least a portion of a size (e.g., a diameter, a length) of the main body 410.

[000294] The inner tube 420 may be disposed within at least a portion of an interior of the main body 410. Moreover, the inner tube 420 may be obscured (i.e., not visible) from an outer surface of the main body 410 and/or an external environment surrounding the main body 410.

[000295] The eyepiece 430 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of a first end of the inner tube 420. The eyepiece 430 may include a viewing lens to view contents within the inner tube 420 by a user. In other words, the eyepiece 430 may facilitate viewing within the inner tube 420.

[000296] The image projecting unit 440 may include a projector, a hologram output unit, a device capable of wireless or wired communication between other wireless or wired devices via at least one of Wi-Fi, Wi-Fi Direct, infrared (IR) wireless communication, satellite communication, broadcast radio communication, Microwave radio communication, Bluetooth, Bluetooth Low Energy (BLE), Zigbee, near field communication (NFC), and radio frequency (RF) communication, USB, Firewire, and Ethernet, or any other type of device that visually displays data.

[000297] The image projecting unit 440 may be disposed within at least a portion of a second end of the inner tube 420 and/or within at least a portion of the main body 410. The image projecting unit 440 may display, cast, and/or broadcast an image 15 thereon, such as a sheet of sports statistics, a digital photograph, a digital painting, a video, a video of a player, a video of a sports game, a non-fungible token (NFT), and/or a digital image. More specifically, the image projecting unit 440 may project the image 15 on the external surface and/or another medium (e.g., a wall, a ground surface, a projector screen, a movie screen, table, etc.) outside a boundary of the main body 410, such that the image 15 is a two-dimensional (2-D) display of the image 15. It is important to note that this substantially differs from the picture 10 used for the sports article display device 200, the sports article display device 200, and/or the sports article display device 300.

[000298] Alternatively, the image projecting unit 440 may broadcast, via a signal, the image 15 onto an external display, such as a television (TV), a computer monitor, a

mobile device, a cell phone, a smart watch, a tablet computer, a laptop computer, a desktop computer, and/or any other type of external display. As such, the image 15 may be viewed on the external display as transmitted by the image projecting unit 440.

[000299] Furthermore, the image projecting unit 440 may project and/or render a holographic display of the image 15 onto the external surface and/or the another medium outside the boundary of the main body 410. Thus, the image projecting unit 440 may create a three-dimensional (3-D) render of the image 15 as a hologram. The image projecting unit 440 displaying the image 15 as the hologram differs from displaying the image 15 as a 2-D image as described above.

[000300] The image projecting unit 440 may display the image 15 by saving the image 15 on the external device 20, sharing the image 15 to the external device 20, transmitting the image 15 to the external device 20, and/or uploading the image to the external device 20.

[000301] Accordingly, the eyepiece 430 may be used to view the image 15 displayed on the image projecting unit 440. Moreover, the eyepiece 430 may view the image projecting unit 440 prior to being projected away from the image projecting unit 440. As such, the user may view the image 15 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000302] The control unit 450 may be disposed within at least a portion of the inner tube 420 and/or connected to the image projecting unit 440.

[000303] The control unit 450 may include a processing unit 451, a communication unit 452, and a storage unit 453, but is not limited thereto.

[000304] The processing unit 451 (or central processing unit, CPU) may include electronic circuitry to carry out instructions of a computer program by performing basic arithmetic, logical, control and input/output (I/O) operations specified by the instructions. The processing unit 451 may include an arithmetic logic unit (ALU) that performs arithmetic and logic operations, processor registers that supply operands to the ALU and store the results of ALU operations, and a control unit that fetches instructions from memory and "executes" them by directing the coordinated operations of the ALU,

registers and other components. The processing unit 451 may also include a microprocessor and a microcontroller.

[000305] The communication unit 452 may include a device capable of wireless or wired communication between other wireless or wired devices via at least one of Wi-Fi, Wi-Fi Direct, infrared (IR) wireless communication, satellite communication, broadcast radio communication, Microwave radio communication, Bluetooth, Bluetooth Low Energy (BLE), Zigbee, near field communication (NFC), and radio frequency (RF) communication, USB, global positioning system (GPS), Firewire, and Ethernet.

[000306] The storage unit 453 may include a random access memory (RAM), a read-only memory (ROM), a hard disk, a flash drive, a database connected to the Internet, cloud-based storage, Internet-based storage, or any other type of storage unit.

[000307] The control unit 450 may access the Internet via the communication unit 452 to allow the user to access a website, and/or may allow a software application to be executed using the processing unit 451. For ease of description, the software application will be hereinafter referred to as an app. The app may be downloaded from the Internet to be stored on the storage unit 453.

[000308] The processing unit 451 executing the app may receive and/or retrieve the image 15 from the storage unit 453 to be displayed by the image projecting unit 440. Moreover, the processing unit 451 executing the app may send a variety of and/or a plurality of images 15 to the image projecting unit 440 based on the preference of the user. Accordingly, the image projecting unit 440 may cycle through the plurality of images 15 at a predetermined interval based on instructions received by the processing unit 451 executing the app. The processing unit 451 executing the app may extract image data and/or video data stored on the storage unit 453 to overlay the image data and/or the video data on the image 15 (e.g., an image of the user with a sports player, a player on a field and/or a court of the sports player in a video).

[000309] The communication unit 452 may receive an input signal from an external device 20 (e.g., a mobile device, a cell phone, a laptop computer, a desktop computer, a tablet computer, a personal digital assistant (PDA), a smart watch, a cloud computer, a cloud storage device, a network computer) to adjust at least one setting of the processing unit 451 via the app. For example, the processing unit 451 may receive the

input signal from the external device 20 to display a single image 15 and/or the plurality of images 15.

[000310] Furthermore, the communication unit 452 may receive a signal from the external device 20 to be processed by the processing unit 451 to display the image 15 by the image projecting unit 440. In other words, the image projecting unit 440 may display the image 15 in response to the communication unit 452 receiving the signal from the external device 20. Also, the processing unit 451 may automatically retrieve the image 15 from the external device 20 to be displayed by the image projecting unit 440 in response to the external device 20 moving within a predetermined distance (e.g., one foot, two feet, five feet, ten feet, twenty feet) from the communication unit 452 (e.g., via NFC).

[000311] The storage unit 453 may store the image 15, the plurality of images 15, the at least one setting of the processing unit 451, and/or the app thereon. As such, the processing unit 451 may execute instructions of the app and/or retrieve data stored on the storage unit 453.

[000312] The connection port 460 may include a universal serial bus (USB) port, a serial port, a parallel port, a FireWire port, and an Ethernet port, but is not limited thereto.

[000313] The connection port 460 may be disposed on and/or within at least a portion of the main body 410. The connection port 460 may receive and/or connect to an external cord therein. For example, the connection port 460 may connect to the external device 20 using the external cord. Alternatively, the connection port 460 may be used to charge the power source 470.

[000314] Furthermore, the connection port 460 may be used to receive and/or connect to a flash drive and/or a cloud device. In other words, the processing unit 451 executing the app may extract the image 15 from the flash drive, the cloud device, and/or the external device 20 to be displayed by the image projecting unit 440.

[000315] The power source 470 may include a power inlet, a battery, and a solar cell, but is not limited thereto.

[000316] The power source 470 may be disposed on and/or within at least a portion of the main body 410. The power source 470 may provide power to the image projecting

unit 440, the control unit 450, and/or the connection port 460. The power source 470 may charge the battery in response to receiving power from an external power source (e.g., a power outlet) through the connection port 460 and/or receiving light from an external light source via the solar cell.

[000317] The control panel 480 may include a power button (e.g., on/off button), a menu button, a plurality of scrolling buttons (e.g., an up button, a down button), and an enter button, but is not limited thereto.

[000318] The control panel 480 may be disposed on at least a portion of the main body 410. The control panel 480 may turn on the image projecting unit 440, the control unit 450, the connection port 460, and/or the power source 470 in response to depressing the power button a first time. Conversely, the control panel 480 may turn off the image projecting unit 440, the control unit 450, the connection port 460, and/or the power source 470 in response to depressing the power button a second time. Additionally, the control panel 380 may activate a menu on the image projecting unit 440, such that at least one of the plurality of images 15 may be selected. Moreover, the plurality of scrolling buttons of the control panel 380 may be used to select options of the menu on the image projecting unit 440. Lastly, the enter button of the control panel 380 may be used to enter (i.e., confirm) entry of a selection, such as the image 15 to be displayed by the image projecting unit 440.

[000319] The external device 20 may perform all function of the control panel 480.

[000320] Therefore, the sports article display device 400 may allow viewing of the image 15 while allowing enjoyment of the main body 410 that represents sports memorabilia. Also, the sports article display device 400 may be used for a purpose related to sports.

[000321] FIG. 5 illustrates a sectional view of a sports article display device 500, according to another exemplary embodiment of the present general inventive concept.

[000322] The sports article display device 500 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000323] The sports article display device 500 may include a main body 510, an inner tube 520, a viewer body 530, an eyepiece 540, a filtering lens 550, a magnification lens 560, an inflatable bladder 570, and an inflation aperture 580, but is not limited thereto.

[000324] Referring to FIG. 5, the main body 510 is illustrated to be a basketball. However, the main body 510 may be any type of ball, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto.

[000325] The main body 510 may be spherical. Additionally, the main body 510 may roll across an external surface (e.g., a ground surface, a wall) in response to an application of force (e.g., pushing, pulling) thereto.

[000326] The inner tube 520 may be elongate and/or have a cylindrical shape. However, the inner tube 520 may be rectangular, circular, triangular, pentagonal, hexagonal, heptagonal, octagonal, or any other shape known to one of ordinary skill in the art, but is not limited thereto. Additionally, the inner tube 520 may extend at least a portion of a size (e.g., a diameter, a length) of the main body 510.

[000327] The inner tube 520 may be disposed within at least a portion of an interior of the main body 510. Moreover, the inner tube 520 may be obscured (i.e., not visible) from an outer surface of the main body 510 and/or an external environment surrounding the main body 510.

[000328] The viewer body 530 may be removably disposed (i.e., inserted, attached) within at least a portion of the inner tube 520.

[000329] The viewer body 530 may include a first section 531 and a second section 532, but is not limited thereto.

[000330] The first section 531 and/or the second section 532 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to each other. The second section 532 may have a size (e.g., a length, a width, a height) equivalent to a size (e.g., a length, a width, a height) of the first section 531.

[000331] The first section 531 may include a first magnifier receiving groove 531a and a first lens receiving groove 531b, but is not limited thereto.

[000332] The first magnifier receiving groove 531a may be disposed on at least a portion of the first section 531. The first magnifier receiving groove 531a may protrude away from an outer surface of the first section 531 and be recessed on an interior of the first section 531 corresponding to the protrusion of the first magnifier receiving groove 531a on the outer surface of the first section 531.

[000333] The first lens receiving groove 531b may be disposed on at least a portion of a first end of the first section 531. The first lens receiving groove 531b may protrude away from the outer surface of the first section 531 and be recessed on the interior of the first section 531 corresponding to the protrusion of the first lens receiving groove 531b on the outer surface of the first section 531. Also, the first lens receiving groove 531b may be disposed at a distance away from the first magnifier receiving groove 531a.

[000334] The second section 532 may include a second magnifier receiving groove 532a and a second lens receiving groove 532b, but is not limited thereto.

[000335] The second magnifier receiving groove 532a may be disposed on at least a portion of the second section 532. The second magnifier receiving groove 532a may protrude away from an outer surface of the second section 532 and be recessed on an interior of the second section 532 corresponding to the protrusion of the second magnifier receiving groove 532a on the outer surface of the second section 532.

[000336] The second lens receiving groove 532b may be disposed on at least a portion of a first end of the second section 532. The second lens receiving groove 532b may protrude away from the outer surface of the second section 532 and be recessed on the interior of the second section 532 corresponding to the protrusion of the second lens receiving groove 532b on the outer surface of the second section 532. Also, the second lens receiving groove 532b may be disposed at a distance away from the second magnifier receiving groove 532a.

[000337] The eyepiece 540 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the inner tube 520 and/or a second end of the first section 531 and/or a second end of the second section 532. The eyepiece 540 may include a viewing lens to view contents within the first section 531 and/or the second section 532 by a user. In other words, the eyepiece 540 may facilitate viewing within the first section 531 and/or the second section 532.

[000338] The filtering lens 550 may include a transparent optical lens, but is not limited thereto.

[000339] The filtering lens 550 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) within the inner tube 520 to at least a portion of the second end of the first section 531 and/or the second end of the second

section 532. More specifically, the filtering lens 550 may be removably connected within the first lens receiving groove 531b and/or the second lens receiving groove 532b. In other words, the first section 531 and/or the second section 532 may receive the filtering lens 550 therebetween.

[000340] Additionally, the filtering lens 550 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the filtering lens 550 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 540 may be used to view the picture 10 disposed on the filtering lens 550. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000341] The magnification lens 560 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the first section 531 and/or the second section 532. More specifically, the magnification lens 560 may be removably connected within the first magnifier receiving groove 531a and/or the second magnifier receiving groove 532a. In other words, the first section 531 and/or the second section 532 may receive the magnification lens 560 therebetween.

[000342] The magnification lens 560 may refract light moving therethrough. Moreover, the magnification lens 560 may magnify the picture 10 on the filtering lens 550 while being viewed through the eyepiece 540. As such, the magnification lens 560 may enhance and/or improve viewing of the picture 10 by the user.

[000343] The inflatable bladder 570 may have a ring shape to adequately cover the interior of the main body 510.

[000344] The inflatable bladder 570 may be disposed on at least a portion of the interior of the main body 510. The inflatable bladder 570 may contact at least a portion of an interior surface of the main body 510. Additionally, the inflatable bladder 570 may prevent compression (i.e., squeezing) of the main body 510 while the inflatable bladder 570 remains at least partially inflated and/or fully inflated in response to an application of force (e.g., striking, bouncing, pushing). In other words, the inflatable bladder 570 may prevent the main body 510 from at least partially deforming while the inflatable bladder

570 contacts the interior surface of the main body 510. Thus, while the main body 510 may deform based on its construction, the inflatable bladder 570 may prevent this from happening. As such, the main body 510 may feel rigid and/or different from the main body 110, the main body 210, the main body 310, and/or the main body 410 as described above. As such, the inflatable bladder 570 may increase a rigidity level of the main body 510. Thus, the inflatable bladder 570 may protect the inner tube 520, the viewer body 530, the eyepiece 540, the filtering lens 550, and/or the magnification lens 560.

[000345] The inflation aperture 580 may be disposed on at least a portion of the main body 510 and/or connected to the inflatable bladder 570. The inflation aperture 680 may only be connected to the inflatable bladder 570. The inflation aperture 580 may receive and/or connect to an air supply unit 30 (e.g., a needle, a hose, an air pump) therein. As such, the inflation aperture 580 may facilitate inflation of the inflatable bladder 570 using the air supply unit 30.

[000346] Therefore, the sports article display device 500 may allow viewing of the picture 10 while allowing enjoyment of the main body 510 that represents sports memorabilia. Also, the sports article display device 500 may be used for a purpose related to sports without being damaged, such as rolling and/or playing with the main body 510.

[000347] FIG. 6 illustrates a sectional view of a sports article display device 600, according to another exemplary embodiment of the present general inventive concept.

[000348] The sports article display device 600 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000349] The sports article display device 600 may include a main body 610, an inner tube 620, a viewer body 630, an eyepiece 640, a display unit 650, an inflatable bladder 655, an inflation aperture 656, a magnification lens 660, a control unit 670, a connection port 680, and a power source 690, but is not limited thereto.

[000350] Referring to FIG. 6, the main body 610 is illustrated to be a soccer ball. However, the main body 610 may be any type of ball, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto.

[000351] The main body 610 may be elastic. More specifically, the main body 610 may at least partially deform in response to an application of force (e.g., pushing, striking) thereto.

[000352] The inner tube 620 may be elongate and/or have a cylindrical shape. However, the inner tube 620 may be rectangular, circular, triangular, pentagonal, hexagonal, heptagonal, octagonal, or any other shape known to one of ordinary skill in the art, but is not limited thereto. Additionally, the inner tube 620 may extend at least a portion of a size (e.g., a diameter, a length) of the main body 610.

[000353] The inner tube 620 may be disposed within at least a portion of an interior of the main body 610. Moreover, the inner tube 620 may be obscured (i.e., not visible) from an outer surface of the main body 610 and/or an external environment surrounding the main body 610.

[000354] The viewer body 630 may be removably disposed (i.e., inserted, attached) within at least a portion of the inner tube 620.

[000355] The viewer body 630 may include a first section 631 and a second section 632, but is not limited thereto.

[000356] The first section 631 and/or the second section 632 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to each other. The second section 632 may have a size (e.g., a length, a width, a height) equivalent to a size (e.g., a length, a width, a height) of the first section 631.

[000357] The first section 631 may include a first magnifier receiving groove 631a and a first lens receiving groove 631b, but is not limited thereto.

[000358] The first magnifier receiving groove 631a may be disposed on at least a portion of the first section 631. The first magnifier receiving groove 631a may protrude away from an outer surface of the first section 631 and be recessed on an interior of the first section 631 corresponding to the protrusion of the first magnifier receiving groove 631a on the outer surface of the first section 631.

[000359] The first lens receiving groove 631b may be disposed on at least a portion of a first end of the first section 631. The first lens receiving groove 631b may protrude away from the outer surface of the first section 631 and be recessed on the interior of the first section 631 corresponding to the protrusion of the first lens receiving groove

631b on the outer surface of the first section 631. Also, the first lens receiving groove 631b may be disposed at a distance away from the first magnifier receiving groove 631a.

[000360] The second section 632 may include a second magnifier receiving groove 632a and a second lens receiving groove 632b, but is not limited thereto.

[000361] The second magnifier receiving groove 632a may be disposed on at least a portion of the second section 632. The second magnifier receiving groove 632a may protrude away from an outer surface of the second section 632 and be recessed on an interior of the second section 632 corresponding to the protrusion of the second magnifier receiving groove 632a on the outer surface of the second section 632.

[000362] The second lens receiving groove 632b may be disposed on at least a portion of a first end of the second section 632. The second lens receiving groove 632b may protrude away from the outer surface of the second section 632 and be recessed on the interior of the second section 632 corresponding to the protrusion of the second lens receiving groove 632b on the outer surface of the second section 632. Also, the second lens receiving groove 632b may be disposed at a distance away from the second magnifier receiving groove 632a.

[000363] The eyepiece 640 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the inner tube 620 and/or a second end of the first section 631 and/or a second end of the second section 632. The eyepiece 640 may include a viewing lens to view contents within the first section 631 and/or the second section 632 by a user. In other words, the eyepiece 640 may facilitate viewing within the first section 631 and/or the second section 632.

[000364] The display unit 650 may include a plasma screen, an LCD screen, a light emitting diode (LED) screen, an organic LED (OLED) screen, a computer monitor, a hologram output unit, a sensor (e.g., a weight sensor), a sound outputting unit, or any other type of device that visually or aurally displays data.

[000365] The display unit 650 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of a second end of the inner tube 620 between the first lens receiving groove 631b and/or the second lens receiving groove 632b, and/or within at least a portion of the main body 610. In other words, the first section 631 and/or the second section 632 may receive the display unit 650 therebetween. The display unit 650 may receive a picture 10 thereon, such as a

physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the display unit 650 may illuminate the picture 10 to facilitate viewing thereof. Accordingly, the eyepiece 640 may be used to view the picture 10 disposed on the display unit 650. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000366] Alternatively, the display unit 650 may display an image 15 thereon, such as a sheet of sports statistics, a digital photograph, a digital painting, a video, a video of a player, a video of a sports game, a non-fungible token (NFT), and/or a digital image. In other words, the display unit 650 may use a screen to display the image 15. Also, the picture 10 may be removed prior to viewing of the image 15. The display unit 650 may detect a presence of the picture 10 thereon.

[000367] Accordingly, the eyepiece 640 may be used to view the image 15 displayed on the display unit 650. As such, the user may view the image 15 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on the preference of the user.

[000368] The inflatable bladder 655 may have a ring shape to adequately cover the interior of the main body 610.

[000369] The inflatable bladder 655 may be disposed on at least a portion of the interior of the main body 610. The inflatable bladder 655 may contact at least a portion of an interior surface of the main body 610. Additionally, the inflatable bladder 655 may prevent compression (i.e., squeezing) of the main body 610 while the inflatable bladder 655 remains at least partially inflated and/or fully inflated in response to an application of force (e.g., striking, bouncing, pushing). In other words, the inflatable bladder 655 may prevent the main body 610 from at least partially deforming while the inflatable bladder 655 contacts the interior surface of the main body 610. Thus, while the main body 610 may deform based on its construction, the inflatable bladder 655 may prevent this from happening. As such, the main body 610 may feel rigid and/or different from the main body 110, the main body 210, the main body 310, and/or the main body 410 as described above. As such, the inflatable bladder 655 may increase a rigidity level of the

main body 610. Thus, the inflatable bladder 655 may protect the inner tube 620, the viewer body 630, the eyepiece 640, the display unit 650, and/or the magnification lens 660.

[000370] The inflation aperture 656 may be disposed on at least a portion of the main body 610 and/or connected to the inflatable bladder 655. The inflation aperture 656 may only be connected to the inflatable bladder 655. The inflation aperture 656 may receive and/or connect to an air supply unit 30 (e.g., a needle, a hose, an air pump) therein. As such, the inflation aperture 656 may facilitate inflation of the inflatable bladder 655 using the air supply unit 30.

[000371] The magnification lens 660 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the first section 631 and/or the second section 632. More specifically, the magnification lens 660 may be removably connected within the first magnifier receiving groove 631a and/or the second magnifier receiving groove 632a. In other words, the first section 631 and/or the second section 632 may receive the magnification lens 660 therebetween.

[000372] The magnification lens 660 may refract light moving therethrough. Moreover, the magnification lens 660 may magnify the picture 10 on the display unit 650 while being viewed through the eyepiece 640. As such, the magnification lens 660 may enhance and/or improve viewing of the picture 10 by the user.

[000373] Also, the display unit 650 may project the image 15 on the external surface and/or another medium (e.g., a wall, a ground surface, a projector screen, a movie screen, table, etc.) outside a boundary of the main body 610, such that the image 15 is a two-dimensional (2-D) display of the image 15. In other words, the display unit 650 may operate similar to the image projecting unit 440. It is important to note that this substantially differs from the picture 10 used for the sports article display device 200, the sports article display device 200, and/or the sports article display device 300.

[000374] Additionally, the display unit 650 may broadcast the image 15 onto an external display, such as a television (TV), a computer monitor, a mobile device, a cell phone, a smart watch, a tablet computer, a laptop computer, a desktop computer, and/or any other type of external display. As such, the image 15 may be viewed on the external display as generated by the display unit 650.

[000375] Furthermore, the display unit 650 may project and/or render a holographic display of the image 15 onto the external surface and/or the another medium outside the boundary of the main body 410. Thus, the display unit 650 may create a three-dimensional (3-D) render of the image 15 as a hologram. The display unit 650 displaying the image 15 as the hologram differs from displaying the image 15 as a 2-D image as described above.

[000376] The display unit 650 may display the image 15 by saving the image 15 on the external device 20, sharing the image 15 to the external device 20, transmitting the image 15 to the external device 20, and/or uploading the image to the external device 20.

[000377] The control unit 670 may be disposed within at least a portion of the inner tube 620 and/or connected to the display unit 650.

[000378] The control unit 670 may include a processing unit 671, a communication unit 672, and a storage unit 673, but is not limited thereto.

[000379] The processing unit 671 (or central processing unit, CPU) may include electronic circuitry to carry out instructions of a computer program by performing basic arithmetic, logical, control and input/output (I/O) operations specified by the instructions. The processing unit 671 may include an arithmetic logic unit (ALU) that performs arithmetic and logic operations, processor registers that supply operands to the ALU and store the results of ALU operations, and a control unit that fetches instructions from memory and "executes" them by directing the coordinated operations of the ALU, registers and other components. The processing unit 671 may also include a microprocessor and a microcontroller.

[000380] The communication unit 672 may include a device capable of wireless or wired communication between other wireless or wired devices via at least one of Wi-Fi, Wi-Fi Direct, infrared (IR) wireless communication, satellite communication, broadcast radio communication, Microwave radio communication, Bluetooth, Bluetooth Low Energy (BLE), Zigbee, near field communication (NFC), and radio frequency (RF) communication, USB, global positioning system (GPS), Firewire, and Ethernet.

[000381] The storage unit 673 may include a random access memory (RAM), a read-only memory (ROM), a hard disk, a flash drive, a database connected to the Internet, cloud-based storage, Internet-based storage, or any other type of storage unit.

[000382] The control unit 670 may access the Internet via the communication unit 672 to allow the user to access a website, and/or may allow a software application to be executed using the processing unit 671. For ease of description, the software application will be hereinafter referred to as an app. The app may be downloaded from the Internet to be stored on the storage unit 673.

[000383] The processing unit 671 executing the app may receive and/or retrieve the image 15 from the storage unit 673 to be displayed by the display unit 650. Moreover, the processing unit 671 executing the app may send a variety of and/or a plurality of images 15 to the display unit 650 based on the preference of the user. Accordingly, the display unit 650 may cycle through the plurality of images 15 at a predetermined interval based on instructions received by the processing unit 671 executing the app. The processing unit 671 executing the app may extract image data and/or video data stored on the storage unit 673 to overlay the image data and/or the video data on the image 15 (e.g., an image of the user with a sports player, a player on a field and/or a court of the sports player in a video).

[000384] Also, the processing unit 671 executing the app may prevent the display unit 650 from displaying the image 15 while the display unit 650 detects the picture 10 disposed thereon. As such, the processing unit 671 may require the picture 10 to be removed from the display unit 650 prior to the display unit 650 displaying the image 15.

[000385] The communication unit 672 may receive an input signal from an external device 20 (e.g., a mobile device, a cell phone, a laptop computer, a desktop computer, a tablet computer, a personal digital assistant (PDA), a smart watch, a cloud computer, a cloud storage device, a network computer) to adjust at least one setting of the processing unit 671 via the app. For example, the processing unit 671 may receive the input signal from the external device 20 to display a single image 15 and/or the plurality of images 15.

[000386] Furthermore, the communication unit 672 may receive a signal from the external device 20 to be processed by the processing unit 671 to display the image 15 on the display unit 650. In other words, the display unit 650 may display the image 15 in response to the communication unit 672 receiving the signal from the external device 20. Also, the processing unit 671 may automatically retrieve the image 15 from the external device 20 to be displayed by the display unit 650 in response to the external device 20

moving within a predetermined distance (e.g., one foot, two feet, five feet, ten feet, twenty feet) from the communication unit 672 (e.g., via NFC).

[000387] The storage unit 673 may store the single image 15, the plurality of images 15, the at least one setting of the processing unit 671, and/or the app thereon. As such, the processing unit 671 may execute instructions of the app and/or retrieve data stored on the storage unit 673.

[000388] The connection port 680 may include a universal serial bus (USB) port, a serial port, a parallel port, a FireWire port, and an Ethernet port, but is not limited thereto.

[000389] The connection port 680 may be disposed on and/or within at least a portion of the main body 610. The connection port 680 may receive and/or connect to an external cord therein. For example, the connection port 680 may connect to the external device 20 using the external cord. Alternatively, the connection port 680 may be used to charge the power source 690.

[000390] Furthermore, the connection port 680 may be used to receive and/or connect to a flash drive and/or a cloud device. In other words, the processing unit 671 executing the app may extract the image 15 from the flash drive, the cloud device, and/or the external device 20 to be displayed by the display unit 650.

[000391] The control panel 685 may include a power button (e.g., on/off button), a menu button, a plurality of scrolling buttons (e.g., an up button, a down button), and an enter button, but is not limited thereto.

[000392] The control panel 685 may be disposed on at least a portion of the main body 610. The control panel 685 may turn on the display unit 650, the control unit 670, the connection port 680, and/or the power source 690 in response to depressing the power button a first time. Conversely, the control panel 685 may turn off the display unit 650, the control unit 670, the connection port 680, and/or the power source 690 in response to depressing the power button a second time. Additionally, the control panel 685 may activate a menu on the display unit 650, such that at least one of the plurality of images 15 may be selected. Moreover, the plurality of scrolling buttons of the control panel 685 may be used to select options of the menu on the display unit 650. Lastly, the enter

button of the control panel 685 may be used to enter (i.e., confirm) entry of a selection, such as the image 15 to be displayed on the display unit 650.

[000393] The external device 20 may perform all function of the control panel 685.

[000394] The power source 690 may include a power inlet, a battery, and a solar cell, but is not limited thereto.

[000395] The power source 690 may be disposed on and/or within at least a portion of the main body 610. The power source 690 may provide power to the display unit 650, the control unit 670, and/or the connection port 680. The power source 690 may charge the battery in response to receiving power from an external power source (e.g., a power outlet) through the connection port 680 and/or receiving light from an external light source via the solar cell.

[000396] Therefore, the sports article display device 600 may allow viewing of the picture 10 while allowing enjoyment of the main body 610 that represents sports memorabilia. Also, the sports article display device 600 may be used for a purpose related to sports.

[000397] FIG. 7 illustrates a sectional view of a sports article display device 700, according to another exemplary embodiment of the present general inventive concept.

[000398] The sports article display device 700 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000399] The sports article display device 700 may include a main body 710, an inner tube 720, a viewer body 730, an eyepiece 740, a filtering lens 750, and a magnification lens 760, but is not limited thereto.

[000400] Referring to FIG. 7, the main body 710 is illustrated to be a megaphone. However, the main body 710 may be any type of horn, microphone, speaker, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto.

[000401] The main body 710 may be trapezoidal. Moreover, the main body 710 may amplify a sound traveling therein. For example, the main body 710 may receive a voice of a user and/or concentrate at least one sound wave therein. Thus, the main body 710 may increase a volume level of the sound therein.

[000402] The inner tube 720 may be elongate and/or have a cylindrical shape. However, the inner tube 720 may be rectangular, circular, triangular, pentagonal, hexagonal, heptagonal, octagonal, or any other shape known to one of ordinary skill in the art, but is not limited thereto. Additionally, the inner tube 720 may extend at least a portion of a size (e.g., a diameter, a length) of the main body 710.

[000403] The inner tube 720 may be disposed within at least a portion of an interior of the main body 710. Moreover, the inner tube 720 may be obscured (i.e., not visible) from an outer surface of the main body 710 and/or an external environment surrounding the main body 710.

[000404] The viewer body 730 may be removably disposed (i.e., inserted, attached) within at least a portion of the inner tube 720.

[000405] The viewer body 730 may include a first section 731 and a second section 732, but is not limited thereto.

[000406] The first section 731 and/or the second section 732 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to each other. The second section 732 may have a size (e.g., a length, a width, a height) equivalent to a size (e.g., a length, a width, a height) of the first section 731.

[000407] The first section 731 may include a first magnifier receiving groove 731a and a first lens receiving groove 731b, but is not limited thereto.

[000408] The first magnifier receiving groove 731a may be disposed on at least a portion of the first section 731. The first magnifier receiving groove 731a may protrude away from an outer surface of the first section 731 and be recessed on an interior of the first section 731 corresponding to the protrusion of the first magnifier receiving groove 731a on the outer surface of the first section 731.

[000409] The first lens receiving groove 731b may be disposed on at least a portion of a first end of the first section 731. The first lens receiving groove 731b may protrude away from the outer surface of the first section 731 and be recessed on the interior of the first section 731 corresponding to the protrusion of the first lens receiving groove 731b on the outer surface of the first section 731. Also, the first lens receiving groove 731b may be disposed at a distance away from the first magnifier receiving groove 731a.

[000410] The second section 732 may include a second magnifier receiving groove 732a and a second lens receiving groove 732b, but is not limited thereto.

[000411] The second magnifier receiving groove 732a may be disposed on at least a portion of the second section 732. The second magnifier receiving groove 732a may protrude away from an outer surface of the second section 732 and be recessed on an interior of the second section 732 corresponding to the protrusion of the second magnifier receiving groove 732a on the outer surface of the second section 732.

[000412] The second lens receiving groove 732b may be disposed on at least a portion of a first end of the second section 732. The second lens receiving groove 732b may protrude away from the outer surface of the second section 732 and be recessed on the interior of the second section 732 corresponding to the protrusion of the second lens receiving groove 732b on the outer surface of the second section 732. Also, the second lens receiving groove 732b may be disposed at a distance away from the second magnifier receiving groove 732a.

[000413] The eyepiece 740 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the inner tube 720 and/or a second end of the first section 731 and/or a second end of the second section 732. The eyepiece 740 may include a viewing lens to view contents within the first section 731 and/or the second section 732 by a user. In other words, the eyepiece 740 may facilitate viewing within the first section 731 and/or the second section 732.

[000414] The filtering lens 750 may include a transparent optical lens, but is not limited thereto.

[000415] The filtering lens 750 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) within the inner tube 720 to at least a portion of the second end of the first section 731 and/or the second end of the second section 732. More specifically, the filtering lens 750 may be removably connected within the first lens receiving groove 731b and/or the second lens receiving groove 732b. In other words, the first section 731 and/or the second section 732 may receive the filtering lens 740 therebetween.

[000416] Additionally, the filtering lens 750 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or

a physical drawing. During use, the filtering lens 750 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 740 may be used to view the picture 10 disposed on the filtering lens 750. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000417] The magnification lens 760 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the first section 731 and/or the second section 732. More specifically, the magnification lens 760 may be removably connected within the first magnifier receiving groove 731a and/or the second magnifier receiving groove 732a. In other words, the first section 731 and/or the second section 732 may receive the magnification lens 760 therebetween.

[000418] The magnification lens 760 may refract light moving therethrough. Moreover, the magnification lens 760 may magnify the picture 10 on the filtering lens 750 while being viewed through the eyepiece 740. As such, the magnification lens 760 may enhance and/or improve viewing of the picture 10 by the user.

[000419] Therefore, the sports article display device 700 may allow viewing of the picture 10 while allowing enjoyment of the main body 710 that represents sports memorabilia. Also, the sports article display device 700 may be used for a purpose related to sports, such as increasing the volume level of the user as a megaphone.

[000420] FIG. 8 illustrates a sectional view of a sports article display device 800, according to another exemplary embodiment of the present general inventive concept.

[000421] The sports article display device 800 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000422] The sports article display device 800 may include a main body 810, an inner tube 820, a viewer body 830, an eyepiece 840, a filtering lens 850, and a magnification lens 860, but is not limited thereto.

[000423] Referring to FIG. 8, the main body 810 is illustrated to be a football helmet. However, the main body 810 may be any type of helmet and/or headwear, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto.

[000424] The main body 810 may be rigid. Moreover, the main body 810 may prevent damage to a head of a user while being worn. For example, the main body 810 may be worn by the user to protect the head of the user.

[000425] The inner tube 820 may be elongate and/or have a cylindrical shape. However, the inner tube 820 may be rectangular, circular, triangular, pentagonal, hexagonal, heptagonal, octagonal, or any other shape known to one of ordinary skill in the art, but is not limited thereto. Additionally, the inner tube 820 may extend at least a portion of a size (e.g., a diameter, a length) of the main body 810.

[000426] The inner tube 820 may be disposed within at least a portion of an interior of the main body 810. Moreover, the inner tube 820 may be obscured (i.e., not visible) from an outer surface of the main body 810 and/or an external environment surrounding the main body 810.

[000427] The viewer body 830 may be removably disposed (i.e., inserted, attached) within at least a portion of the inner tube 820.

[000428] The viewer body 830 may include a first section 831 and a second section 832, but is not limited thereto.

[000429] The first section 831 and/or the second section 832 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to each other. The second section 832 may have a size (e.g., a length, a width, a height) equivalent to a size (e.g., a length, a width, a height) of the first section 831.

[000430] The first section 831 may include a first magnifier receiving groove 831a and a first lens receiving groove 831b, but is not limited thereto.

[000431] The first magnifier receiving groove 831a may be disposed on at least a portion of the first section 831. The first magnifier receiving groove 831a may protrude away from an outer surface of the first section 831 and be recessed on an interior of the first section 831 corresponding to the protrusion of the first magnifier receiving groove 831a on the outer surface of the first section 831.

[000432] The first lens receiving groove 831b may be disposed on at least a portion of a first end of the first section 831. The first lens receiving groove 831b may protrude away from the outer surface of the first section 831 and be recessed on the interior of the first section 831 corresponding to the protrusion of the first lens receiving groove

831b on the outer surface of the first section 831. Also, the first lens receiving groove 831b may be disposed at a distance away from the first magnifier receiving groove 831a.

[000433] The second section 832 may include a second magnifier receiving groove 832a and a second lens receiving groove 832b, but is not limited thereto.

[000434] The second magnifier receiving groove 832a may be disposed on at least a portion of the second section 832. The second magnifier receiving groove 832a may protrude away from an outer surface of the second section 832 and be recessed on an interior of the second section 832 corresponding to the protrusion of the second magnifier receiving groove 832a on the outer surface of the second section 832.

[000435] The second lens receiving groove 832b may be disposed on at least a portion of a first end of the second section 832. The second lens receiving groove 832b may protrude away from the outer surface of the second section 832 and be recessed on the interior of the second section 832 corresponding to the protrusion of the second lens receiving groove 832b on the outer surface of the second section 832. Also, the second lens receiving groove 832b may be disposed at a distance away from the second magnifier receiving groove 832a.

[000436] The eyepiece 840 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the inner tube 820 and/or a second end of the first section 831 and/or a second end of the second section 832. The eyepiece 840 may include a viewing lens to view contents within the first section 831 and/or the second section 832 by a user. In other words, the eyepiece 840 may facilitate viewing within the first section 831 and/or the second section 832.

[000437] The filtering lens 850 may include a transparent optical lens, but is not limited thereto.

[000438] The filtering lens 850 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) within the inner tube 820 to at least a portion of the second end of the first section 831 and/or the second end of the second section 832. More specifically, the filtering lens 850 may be removably connected within the first lens receiving groove 831b and/or the second lens receiving groove 832b. In other words, the first section 831 and/or the second section 832 may receive the filtering lens 850 therebetween.

[000439] Additionally, the filtering lens 850 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the filtering lens 850 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 840 may be used to view the picture 10 disposed on the filtering lens 850. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000440] The magnification lens 860 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the first section 831 and/or the second section 832. More specifically, the magnification lens 860 may be removably connected within the first magnifier receiving groove 831a and/or the second magnifier receiving groove 832a. In other words, the first section 831 and/or the second section 832 may receive the magnification lens 860 therebetween.

[000441] The magnification lens 860 may refract light moving therethrough. Moreover, the magnification lens 860 may magnify the picture 10 on the filtering lens 850 while being viewed through the eyepiece 840. As such, the magnification lens 860 may enhance and/or improve viewing of the picture 10 by the user.

[000442] Therefore, the sports article display device 800 may allow viewing of the picture 10 while allowing enjoyment of the main body 810 that represents sports memorabilia. Also, the sports article display device 800 may be used for a purpose related to sports without being damaged, such as protecting the head of the user while being worn.

[000443] FIG. 9 illustrates a sectional view of a sports article display device 900, according to another exemplary embodiment of the present general inventive concept.

[000444] The sports article display device 900 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000445] The sports article display device 900 may include a main body 910, an inner tube 920, a viewer body 930, an eyepiece 940, a filtering lens 950, and a magnification lens 960, but is not limited thereto.

[000446] Referring to FIG. 9, the main body 910 is illustrated to be a boxing glove. However, the main body 910 may be any type of glove, mitten, and/or straps, or any other type of sports article worn on at least a portion of a body (e.g., hands) of the user known to one of ordinary skill in the art, but is not limited thereto. Thus, the main body 910 may protect the hands of the user by absorbing an impact thereon.

[000447] The main body 910 may be elastic. More specifically, the main body 910 may at least partially deform (e.g., compress) in response to an application of force (e.g., pushing, striking) thereto. For example, the main body 910 may compress on an external surface (e.g., a person, a punching bag, a wall) in response to striking and/or being in contact with the external surface.

[000448] The inner tube 920 may be elongate and/or have a cylindrical shape. However, the inner tube 920 may be rectangular, circular, triangular, pentagonal, hexagonal, heptagonal, octagonal, or any other shape known to one of ordinary skill in the art, but is not limited thereto. Additionally, the inner tube 920 may extend at least a portion of a size (e.g., a diameter, a length) of the main body 910.

[000449] The inner tube 920 may be disposed within at least a portion of an interior of the main body 910. Moreover, the inner tube 920 may be obscured (i.e., not visible) from an outer surface of the main body 910 and/or an external environment surrounding the main body 910.

[000450] The viewer body 930 may be removably disposed (i.e., inserted, attached) within at least a portion of the inner tube 920.

[000451] The viewer body 930 may include a first section 931 and a second section 932, but is not limited thereto.

[000452] The first section 931 and/or the second section 932 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to each other. The second section 932 may have a size (e.g., a length, a width, a height) equivalent to a size (e.g., a length, a width, a height) of the first section 931.

[000453] The first section 931 may include a first magnifier receiving groove 931a and a first lens receiving groove 931b, but is not limited thereto.

[000454] The first magnifier receiving groove 931a may be disposed on at least a portion of the first section 931. The first magnifier receiving groove 931a may protrude

away from an outer surface of the first section 931 and be recessed on an interior of the first section 931 corresponding to the protrusion of the first magnifier receiving groove 931a on the outer surface of the first section 931.

[000455] The first lens receiving groove 931b may be disposed on at least a portion of a first end of the first section 931. The first lens receiving groove 931b may protrude away from the outer surface of the first section 931 and be recessed on the interior of the first section 931 corresponding to the protrusion of the first lens receiving groove 931b on the outer surface of the first section 931. Also, the first lens receiving groove 931b may be disposed at a distance away from the first magnifier receiving groove 931a.

[000456] The second section 932 may include a second magnifier receiving groove 932a and a second lens receiving groove 932b, but is not limited thereto.

[000457] The second magnifier receiving groove 932a may be disposed on at least a portion of the second section 932. The second magnifier receiving groove 932a may protrude away from an outer surface of the second section 932 and be recessed on an interior of the second section 932 corresponding to the protrusion of the second magnifier receiving groove 932a on the outer surface of the second section 932.

[000458] The second lens receiving groove 932b may be disposed on at least a portion of a first end of the second section 932. The second lens receiving groove 932b may protrude away from the outer surface of the second section 932 and be recessed on the interior of the second section 932 corresponding to the protrusion of the second lens receiving groove 932b on the outer surface of the second section 932. Also, the second lens receiving groove 932b may be disposed at a distance away from the second magnifier receiving groove 932a.

[000459] The eyepiece 940 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the inner tube 920 and/or a second end of the first section 931 and/or a second end of the second section 932. The eyepiece 940 may include a viewing lens to view contents within the first section 931 and/or the second section 932 by a user. In other words, the eyepiece 940 may facilitate viewing within the first section 931 and/or the second section 932.

[000460] The filtering lens 950 may include a transparent optical lens, but is not limited thereto.

[000461] The filtering lens 950 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) within the inner tube 920 to at least a portion of the second end of the first section 931 and/or the second end of the second section 932. More specifically, the filtering lens 950 may be removably connected within the first lens receiving groove 931b and/or the second lens receiving groove 932b. In other words, the first section 931 and/or the second section 932 may receive the filtering lens 950 therebetween.

[000462] Additionally, the filtering lens 950 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the filtering lens 950 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 940 may be used to view the picture 10 disposed on the filtering lens 950. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000463] The magnification lens 960 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the first section 931 and/or the second section 932. More specifically, the magnification lens 960 may be removably connected within the first magnifier receiving groove 931a and/or the second magnifier receiving groove 932a. In other words, the first section 931 and/or the second section 932 may receive the magnification lens 960 therebetween.

[000464] The magnification lens 960 may refract light moving therethrough. Moreover, the magnification lens 960 may magnify the picture 10 on the filtering lens 950 while being viewed through the eyepiece 940. As such, the magnification lens 960 may enhance and/or improve viewing of the picture 10 by the user.

[000465] Therefore, the sports article display device 900 may allow viewing of the picture 10 while allowing enjoyment of the main body 910 that represents sports memorabilia. Also, the sports article display device 900 may be used for a purpose related to sports without being damaged, such as protecting the hand of the user while being worn.

[000466] FIG. 10A illustrates a perspective view of a sports article display device 1000, according to another exemplary embodiment of the present general inventive concept.

[000467] The sports article display device 1000 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000468] The sports article display device 1000 may include a main body 1010, an eyepiece 1040, and a filtering lens 1050, but is not limited thereto.

[000469] Referring to FIG. 10A, the main body 1010 is illustrated to be a basketball. However, the main body 1010 may be any type of ball, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto. Also, the main body 1010 may have any size and/or shape based on a preference of the user for a sports object, or any other type of object for that matter, including but not limited to a baseball bat, a hockey stick, a hockey puck, a goal post, a volleyball net, a balance beam, a skate, a rollerblade, a punching bag, a barbell, a dumbbell, a golf club, a tennis racket, a ring, a computer, a laptop, a box, a fishbowl, a sword, a shield, a microphone, and/or a firearm.

[000470] The main body 1010 may be elastic. More specifically, the main body 1010 may at least partially deform in response to an application of force (e.g., pushing, striking) thereto.

[000471] The eyepiece 1040 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1010. The eyepiece 1040 may include a viewing lens to view contents within the main body 1010 by a user. In other words, the eyepiece 1040 may facilitate viewing within the main body 1010.

[000472] The filtering lens 1050 may include a transparent optical lens, but is not limited thereto.

[000473] The filtering lens 1050 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1010. More specifically, the filtering lens 1050 may be removably connected within the main body 1010.

[000474] Additionally, the filtering lens 1050 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration,

and/or a physical drawing. During use, the filtering lens 1050 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 1040 may be used to view the picture 10 disposed on the filtering lens 1050. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000475] While not specifically illustrated in FIG. 10A, the sports article display device 1000 may further include any of the components described above with respect to the sports article display device 100, the sports article display device 200, the sports article display device 300, the sports article display device 400, the sports article display device 500, the sports article display device 600, the sports article display device 700, the sports article display device 800, and/or the sports article display device 900.

[000476] Therefore, the sports article display device 1000 may allow viewing of the picture 10 while allowing enjoyment of the main body 1010 that represents sports memorabilia. Also, the sports article display device 1000 may be used for a purpose related to sports.

[000477] FIG. 10B illustrates a perspective view of a sports article display device 1100, according to another exemplary embodiment of the present general inventive concept.

[000478] The sports article display device 1100 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000479] The sports article display device 1100 may include a main body 1110, an eyepiece 1140, and a filtering lens 1150, but is not limited thereto.

[000480] Referring to FIG. 10B, the main body 1110 is illustrated to be a baseball. However, the main body 1110 may be any type of ball, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto. Also, the main body 1110 may have any size and/or shape based on a preference of the user for a sports object, including but not limited to a baseball bat, a hockey stick, a hockey puck, a goal post, a volleyball net, a baseball glove, a balance beam, a skate, a rollerblade, a punching bag, a barbell, a dumbbell, a golf club, and/or a tennis racket.

[000481] The main body 1110 may be elastic. More specifically, the main body 1110 may at least partially deform in response to an application of force (e.g., pushing, striking) thereto.

[000482] The eyepiece 1140 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1110. The eyepiece 1140 may include a viewing lens to view contents within the main body 1110 by a user. In other words, the eyepiece 1140 may facilitate viewing within the main body 1110.

[000483] The filtering lens 1150 may include a transparent optical lens, but is not limited thereto.

[000484] The filtering lens 1150 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1110. More specifically, the filtering lens 1150 may be removably connected within the main body 1110.

[000485] Additionally, the filtering lens 1150 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the filtering lens 1150 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 1140 may be used to view the picture 10 disposed on the filtering lens 1150. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000486] While not specifically illustrated in FIG. 10B, the sports article display device 1100 may further include any of the components described above with respect to the sports article display device 100, the sports article display device 200, the sports article display device 300, the sports article display device 400, the sports article display device 500, the sports article display device 600, the sports article display device 700, the sports article display device 800, and/or the sports article display device 900.

[000487] Therefore, the sports article display device 1100 may allow viewing of the picture 10 while allowing enjoyment of the main body 1110 that represents sports

memorabilia. Also, the sports article display device 1100 may be used for a purpose related to sports.

[000488] FIG. 10C illustrates a perspective view of a sports article display device 1200, according to another exemplary embodiment of the present general inventive concept.

[000489] The sports article display device 1200 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000490] The sports article display device 1200 may include a main body 1210, an eyepiece 1240, and a filtering lens 1250, but is not limited thereto.

[000491] Referring to FIG. 10C, the main body 1210 is illustrated to be a softball. However, the main body 1210 may be any type of ball, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto. Also, the main body 1210 may have any size and/or shape based on a preference of the user for a sports object, including but not limited to a baseball bat, a hockey stick, a hockey puck, a goal post, a volleyball net, a baseball glove, a balance beam, a skate, a rollerblade, a punching bag, a barbell, a dumbbell, a golf club, and/or a tennis racket.

[000492] The main body 1210 may be elastic. More specifically, the main body 1210 may at least partially deform in response to an application of force (e.g., pushing, striking) thereto.

[000493] The eyepiece 1240 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1210. The eyepiece 1240 may include a viewing lens to view contents within the main body 1210 by a user. In other words, the eyepiece 1240 may facilitate viewing within the main body 1210.

[000494] The filtering lens 1250 may include a transparent optical lens, but is not limited thereto.

[000495] The filtering lens 1250 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1210. More specifically, the filtering lens 1250 may be removably connected within the main body 1210.

[000496] Additionally, the filtering lens 1250 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the filtering lens 1250 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 1240 may be used to view the picture 10 disposed on the filtering lens 1250. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000497] While not specifically illustrated in FIG. 10C, the sports article display device 1200 may further include any of the components described above with respect to the sports article display device 100, the sports article display device 200, the sports article display device 300, the sports article display device 400, the sports article display device 500, the sports article display device 600, the sports article display device 700, the sports article display device 800, and/or the sports article display device 900.

[000498] Therefore, the sports article display device 1200 may allow viewing of the picture 10 while allowing enjoyment of the main body 1210 that represents sports memorabilia. Also, the sports article display device 1200 may be used for a purpose related to sports.

[000499] FIG. 10D illustrates a perspective view of a sports article display device 1300, according to another exemplary embodiment of the present general inventive concept.

[000500] The sports article display device 1300 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000501] The sports article display device 1300 may include a main body 1310, an eyepiece 1340, and a filtering lens 1350, but is not limited thereto.

[000502] Referring to FIG. 10D, the main body 1310 is illustrated to be a golf ball. However, the main body 1310 may be any type of ball, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto. Also, the main body 1310 may have any size and/or shape based on a preference of the user for a sports object, including but not limited to a baseball bat, a hockey stick, a hockey puck, a goal

post, a volleyball net, a baseball glove, a balance beam, a skate, a rollerblade, a punching bag, a barbell, a dumbbell, a golf club, and/or a tennis racket.

[000503] The main body 1310 may be elastic. More specifically, the main body 1310 may at least partially deform in response to an application of force (e.g., pushing, striking) thereto.

[000504] The eyepiece 1340 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1310. The eyepiece 1340 may include a viewing lens to view contents within the main body 1310 by a user. In other words, the eyepiece 1340 may facilitate viewing within the main body 1310.

[000505] The filtering lens 1350 may include a transparent optical lens, but is not limited thereto.

[000506] The filtering lens 1350 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1310. More specifically, the filtering lens 1350 may be removably connected within the main body 1310.

[000507] Additionally, the filtering lens 1350 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the filtering lens 1350 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 1340 may be used to view the picture 10 disposed on the filtering lens 1350. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000508] While not specifically illustrated in FIG. 10D, the sports article display device 1300 may further include any of the components described above with respect to the sports article display device 100, the sports article display device 200, the sports article display device 300, the sports article display device 400, the sports article display device 500, the sports article display device 600, the sports article display device 700, the sports article display device 800, and/or the sports article display device 900.

[000509] Therefore, the sports article display device 1300 may allow viewing of the picture 10 while allowing enjoyment of the main body 1310 that represents sports memorabilia. Also, the sports article display device 1300 may be used for a purpose related to sports.

[000510] FIG. 10E illustrates a perspective view of a sports article display device 1400, according to another exemplary embodiment of the present general inventive concept.

[000511] The sports article display device 1400 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000512] The sports article display device 1400 may include a main body 1410, an eyepiece 1440, and a filtering lens 1450, but is not limited thereto.

[000513] Referring to FIG. 10E, the main body 1410 is illustrated to be a tennis ball. However, the main body 1410 may be any type of ball, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto. Also, the main body 1410 may have any size and/or shape based on a preference of the user for a sports object, including but not limited to a baseball bat, a hockey stick, a hockey puck, a goal post, a volleyball net, a baseball glove, a balance beam, a skate, a rollerblade, a punching bag, a barbell, a dumbbell, a golf club, and/or a tennis racket.

[000514] The main body 1410 may be elastic. More specifically, the main body 1410 may at least partially deform in response to an application of force (e.g., pushing, striking) thereto.

[000515] The eyepiece 1440 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1410. The eyepiece 1440 may include a viewing lens to view contents within the main body 1410 by a user. In other words, the eyepiece 1440 may facilitate viewing within the main body 1410.

[000516] The filtering lens 1450 may include a transparent optical lens, but is not limited thereto.

[000517] The filtering lens 1450 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1410. More specifically, the filtering lens 1450 may be removably connected within the main body 1410.

[000518] Additionally, the filtering lens 1450 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the filtering lens 1450 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 1440 may be used to view the picture 10 disposed on the filtering lens 1450. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000519] While not specifically illustrated in FIG. 10E, the sports article display device 1400 may further include any of the components described above with respect to the sports article display device 100, the sports article display device 200, the sports article display device 300, the sports article display device 400, the sports article display device 500, the sports article display device 600, the sports article display device 700, the sports article display device 800, and/or the sports article display device 900.

[000520] Therefore, the sports article display device 1400 may allow viewing of the picture 10 while allowing enjoyment of the main body 1410 that represents sports memorabilia. Also, the sports article display device 1400 may be used for a purpose related to sports.

[000521] FIG. 10F illustrates a perspective view of a sports article display device 1500, according to another exemplary embodiment of the present general inventive concept.

[000522] The sports article display device 1500 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000523] The sports article display device 1500 may include a main body 1510, an eyepiece 1540, and a filtering lens 1550, but is not limited thereto.

[000524] Referring to FIG. 10F, the main body 1510 is illustrated to be a football. However, the main body 1510 may be any type of ball, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto. Also, the main body 1510 may have any size and/or shape based on a preference of the user for a sports object, including but not limited to a baseball bat, a hockey stick, a hockey puck, a goal

post, a volleyball net, a baseball glove, a balance beam, a skate, a rollerblade, a punching bag, a barbell, a dumbbell, a golf club, and/or a tennis racket.

[000525] The main body 1510 may be elastic. More specifically, the main body 1510 may at least partially deform in response to an application of force (e.g., pushing, striking) thereto.

[000526] The eyepiece 1540 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1510. The eyepiece 1540 may include a viewing lens to view contents within the main body 1510 by a user. In other words, the eyepiece 1540 may facilitate viewing within the main body 1510.

[000527] The filtering lens 1550 may include a transparent optical lens, but is not limited thereto.

[000528] The filtering lens 1550 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1510. More specifically, the filtering lens 1550 may be removably connected within the main body 1510.

[000529] Additionally, the filtering lens 1550 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the filtering lens 1550 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 1540 may be used to view the picture 10 disposed on the filtering lens 1550. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000530] While not specifically illustrated in FIG. 10F, the sports article display device 1500 may further include any of the components described above with respect to the sports article display device 100, the sports article display device 200, the sports article display device 300, the sports article display device 400, the sports article display device 500, the sports article display device 600, the sports article display device 700, the sports article display device 800, and/or the sports article display device 900.

[000531] Therefore, the sports article display device 1500 may allow viewing of the picture 10 while allowing enjoyment of the main body 1510 that represents sports memorabilia. Also, the sports article display device 1500 may be used for a purpose related to sports.

[000532] FIG. 10G illustrates a perspective view of a sports article display device 1600, according to another exemplary embodiment of the present general inventive concept.

[000533] The sports article display device 1600 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000534] The sports article display device 1600 may include a main body 1610, an eyepiece 1640, and a filtering lens 1650, but is not limited thereto.

[000535] Referring to FIG. 10G, the main body 1610 is illustrated to be a cricket bat. However, the main body 1610 may be any type of bat, or any other type of sports article known to one of ordinary skill in the art, but is not limited thereto. Also, the main body 1610 may have any size and/or shape based on a preference of the user for a sports object, including but not limited to a baseball bat, a hockey stick, a hockey puck, a goal post, a volleyball net, a baseball glove, a balance beam, a skate, a rollerblade, a punching bag, a barbell, a dumbbell, a golf club, and/or a tennis racket.

[000536] The main body 1610 may be constructed of cork wrapped in string and covered with leather. As such, the main body 1610 may be rigid and/or solid. More specifically, the main body 1610 may at least partially move (e.g., roll) in response to an application of force (e.g., pushing, pulling) thereto. For example, the main body 1610 may roll on an external surface (e.g., a ground surface, a wall) in response to being thrown, dropped, hit, and/or otherwise moved toward the external surface.

[000537] The eyepiece 1640 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1610. The eyepiece 1640 may include a viewing lens to view contents within the main body 1610 by a user. In other words, the eyepiece 1640 may facilitate viewing within the main body 1610.

[000538] The filtering lens 1650 may include a transparent optical lens, but is not limited thereto.

[000539] The filtering lens 1650 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1610. More specifically, the filtering lens 1650 may be removably connected within the main body 1610.

[000540] Additionally, the filtering lens 1650 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the filtering lens 1650 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 1640 may be used to view the picture 10 disposed on the filtering lens 1650. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000541] While not specifically illustrated in FIG. 10G, the sports article display device 1600 may further include any of the components described above with respect to the sports article display device 100, the sports article display device 200, the sports article display device 300, the sports article display device 400, the sports article display device 500, the sports article display device 600, the sports article display device 700, the sports article display device 800, and/or the sports article display device 900.

[000542] Therefore, the sports article display device 1600 may allow viewing of the picture 10 while allowing enjoyment of the main body 1610 that represents sports memorabilia. Also, the sports article display device 1600 may be used for a purpose related to sports.

[000543] FIG. 10H illustrates a perspective view of a sports article display device 1700, according to another exemplary embodiment of the present general inventive concept.

[000544] The sports article display device 1700 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000545] The sports article display device 1700 may include a main body 1710, an eyepiece 1740, and a filtering lens 1750, but is not limited thereto.

[000546] Referring to FIG. 10H, the main body 1710 is illustrated to be a racing helmet. However, the main body 1710 may be any type of helmet and/or headwear, or any other

type of sports article known to one of ordinary skill in the art, but is not limited thereto. Also, the main body 1710 may have any size and/or shape based on a preference of the user for a sports object, including but not limited to a baseball bat, a hockey stick, a hockey puck, a goal post, a volleyball net, a baseball glove, a balance beam, a skate, a rollerblade, a punching bag, a barbell, a dumbbell, a golf club, and/or a tennis racket.

[000547] The main body 1710 may be rigid. Moreover, the main body 1710 may prevent damage to a head of a user while being worn. For example, the main body 1710 may be worn by the user to protect the head of the user.

[000548] The eyepiece 1740 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1710. The eyepiece 1740 may include a viewing lens to view contents within the main body 1710 by a user. In other words, the eyepiece 1740 may facilitate viewing within the main body 1710.

[000549] The filtering lens 1750 may include a transparent optical lens, but is not limited thereto.

[000550] The filtering lens 1750 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1710. More specifically, the filtering lens 1750 may be removably connected within the main body 1710.

[000551] Additionally, the filtering lens 1750 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the filtering lens 1750 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 1740 may be used to view the picture 10 disposed on the filtering lens 1750. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000552] While not specifically illustrated in FIG. 10H, the sports article display device 1700 may further include any of the components described above with respect to the sports article display device 100, the sports article display device 200, the sports article

display device 300, the sports article display device 400, the sports article display device 500, the sports article display device 600, the sports article display device 700, the sports article display device 800, and/or the sports article display device 900.

[000553] Therefore, the sports article display device 1700 may allow viewing of the picture 10 while allowing enjoyment of the main body 1710 that represents sports memorabilia. Also, the sports article display device 1700 may be used for a purpose related to sports.

[000554] FIG. 10I illustrates a perspective view of a sports article display device 1800, according to another exemplary embodiment of the present general inventive concept.

[000555] The sports article display device 1800 may be constructed from at least one of metal, plastic, wood, glass, and rubber, etc., but is not limited thereto.

[000556] The sports article display device 1800 may include a main body 1810, an eyepiece 1840, and a filtering lens 1850, but is not limited thereto.

[000557] Referring to FIG. 10I, the main body 1810 is illustrated to be a graduation scroll. However, the main body 1810 may be a graduation cap, a graduation gown, a textbook, a microscope, a telescope, a pencil, a paperweight, a stapler, and/or any other type of school related items known to one of ordinary skill in the art, but is not limited thereto. Also, the main body 1810 may have any size and/or shape based on a preference of the user for a school related object.

[000558] The main body 1810 may be rigid. Moreover, the main body 1810 may move (i.e., roll) across an external surface (e.g., a ground surface, a wall).

[000559] The eyepiece 1840 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body 1810. The eyepiece 1840 may include a viewing lens to view contents within the main body 1810 by a user. In other words, the eyepiece 1840 may facilitate viewing within the main body 1810.

[000560] The filtering lens 1850 may include a transparent optical lens, but is not limited thereto.

[000561] The filtering lens 1850 may be removably connected (i.e., clip, clamp, clasp, snap, adhesive (e.g., tape, glue), and/or magnet) to at least a portion of the main body

1810. More specifically, the filtering lens 1850 may be removably connected within the main body 1810.

[000562] Additionally, the filtering lens 1850 may receive a picture 10 thereon, such as a physical photograph, a physical picture, a physical painting, a physical illustration, and/or a physical drawing. During use, the filtering lens 1850 may receive light (e.g., sunlight, light source) from the external environment to illuminate the picture 10. Accordingly, the eyepiece 1840 may be used to view the picture 10 disposed on the filtering lens 1850. As such, the user may view the picture 10 that may be a photograph of a sports player, an athlete, a score sheet from a sports team, a baseball bat, a tennis racket, a football field, and/or any other type of sports related information as desired based on a preference of the user.

[000563] While not specifically illustrated in FIG. 10I, the sports article display device 1800 may further include any of the components described above with respect to the sports article display device 100, the sports article display device 200, the sports article display device 300, the sports article display device 400, the sports article display device 500, the sports article display device 600, the sports article display device 700, the sports article display device 800, and/or the sports article display device 900.

[000564] Therefore, the sports article display device 1800 may allow viewing of the picture 10 while allowing enjoyment of the main body 1810 that represents sports memorabilia. Also, the sports article display device 1800 may be used for a purpose related to sports without being damaged, such as rolling the main body 1810.

[000565] The present general inventive concept may include a sports article display device 100, including a main body 110, an inner tube 120 disposed within at least a portion of the main body 110, an eyepiece 140 removably connected to at least a portion of the inner tube 120 to facilitate viewing, and a filtering lens 150 removably connected to at least a portion of the inner tube 120 to receive a picture 10 thereon to be viewed through the eyepiece 140.

[000566] The sports article display device 100 may further include a viewer body 130 removably disposed within at least a portion of the inner tube 120, the viewer body 130 including a first section 131, and a second section 132 removably connected to at least a portion of the first section 131, such that the first section 131 and second section 132 receive the filtering lens 150 therebetween.

[000567] The first section 131 and the second section 132 each may include a magnifier receiving groove 131a/132a disposed on at least a portion of the first section 131 and the second section 132, and a lens receiving groove 131b/132b disposed on at least a portion of the first section 131 and the second section 132 to receive the filtering lens 150 therein, such that the lens receiving groove 131b/132b protrudes away from an outer surface of the first section 131 and an outer surface of the second section 132, and is recessed on an interior of the first section 131 and the second section 132.

[000568] The sports article display device 100 may further include a magnification lens 160 removably connected to at least a portion of the viewer body 130 to magnify the picture 10 on the filtering lens 150 while viewing the picture 10 through the eyepiece 140.

[000569] The filtering lens 150 may receive light from an external environment to illuminate the picture 10.

[000570] The present general inventive concept may also include a sports article display device 300, including a main body 310, an inner tube 320 disposed within at least a portion of the main body 310, a display unit 340 disposed at an end of the inner tube 320 to display at least one image 15 thereon, and a control unit 350 disposed within at least a portion of the main body 310 and connected to the display unit 340 to receive the at least one image 15 to be displayed on the display unit 340.

[000571] The control unit 350 may receive the at least one image 15 from an external device 20 connected to the control unit 350.

[000572] The control unit 350 may adjust at least one setting in response to receiving an input signal from an external device 20.

[000573] The control unit 350 may automatically retrieve the at least one image 15 from an external device 20 to be displayed on the display unit 340 in response to the external device 20 being within a predetermined distance of the control unit 350.

[000574] The sports article display device 300 may further include an eyepiece 330 removably connected to at least a portion of the inner tube 320 to facilitate viewing of the display unit 340.

[000575] The present general inventive concept may also include a sports article display device 400, including a main body 410, an inner tube 420 disposed within at

least a portion of the main body 410, an image projecting unit 440 disposed within at least a portion of the main body 410 to display at least one image 15 away therefrom to another medium outside a boundary of the main body 410, and a control unit 450 disposed within at least a portion of the main body 410 and connected to the image projecting unit 440 to receive the at least one image 15 to be to be displayed by the image projecting unit 440.

[000576] The image projecting unit 440 may project the at least one image 15 on the another medium.

[000577] The image projecting unit 440 may broadcast, via a signal, the at least one image 15 onto an external display screen.

[000578] The image projecting unit 440 may project a holographic display of the at least one image 15, such that the holographic display is three-dimensional.

[000579] The control unit 450 may extract at least one of image data and video data stored thereon to overlay the at least one image 15.

[000580] The present general inventive concept may also include a sports article display device 500, including a main body 510, an inner tube 520 disposed within at least a portion of the main body 510, an eyepiece 540 removably connected to at least a portion of the inner tube 520 to facilitate viewing, a filtering lens 550 removably connected to at least a portion of the inner tube 520 to receive a picture 10 thereon for viewing through the eyepiece 540, and an inflatable bladder 570 disposed within at least a portion of the main body 510 to contact at least a portion of an interior surface of the main body 510 and prevent compression of the main body 510 from an application of force.

[000581] The inflatable bladder 570 may increase a rigidity level of the main body 510.

[000582] The inflatable bladder 570 may have a ring shape.

[000583] The sports article display device 500 may further include an inflation aperture 580 disposed on at least a portion of the main body 510 to receive an air supply unit 30 therein.

[000584] The inflation aperture 580 may connect only to the inflatable bladder 570.

[000585] The present general inventive concept may also include a sports article display device 600, including a main body 610, an inner tube 620 disposed within at least a portion of the main body 610, an eyepiece 640 removably connected to at least a portion of the inner tube 620 to facilitate viewing, a display unit 650 disposed within at least a portion of the main body 610 to perform at least one of receiving at least one picture 10 thereon for viewing through the eyepiece 640, displaying at least one image 15 thereon, and displaying the at least one image 15 away therefrom to another medium outside a boundary of the main body 610, a control unit 670 disposed within at least a portion of the main body 610 and connected to the display unit to receive the at least image 15 to be displayed on the display unit 650, and an inflatable bladder 655 disposed within at least a portion of the main body 610 to contact at least a portion of an interior surface of the main body 610 and prevent compression of the main body 610 from an application of force.

[000586] The eyepiece 640 may be prevented from viewing the at least one image 15 while the at least one picture 10 remains on the display unit 650.

[000587] The control unit 670 may prevent the display unit 650 from displaying the at least one image 15 in response to the display unit 650 detecting a presence of the at least one picture 10.

[000588] The control unit 670 may extract at least one of image data and video data stored thereon to overlay the at least one image 15.

[000589] The sports article display device 600 may further include an inflation aperture 656 disposed on at least a portion of the main body 610 to receive an air supply unit 30 therein.

[000590] Although a few embodiments of the present general inventive concept have been shown and described, it will be appreciated by those skilled in the art that changes may be made in these embodiments without departing from the principles and spirit of the general inventive concept, the scope of which is defined in the appended claims and their equivalents.

CLAIMS

1. A sports article display device, comprising:
 - a main body;
 - an inner tube disposed within at least a portion of the main body;
 - an eyepiece removably connected to at least a portion of the inner tube to facilitate viewing; and
 - a filtering lens removably connected to at least a portion of the inner tube to receive a picture thereon to be viewed through the eyepiece.
2. The sports article display device of claim 1, further comprising:
 - a viewer body removably disposed within at least a portion of the inner tube, the viewer body comprising:
 - a first section, and
 - a second section removably connected to at least a portion of the first section, such that the first section and second section receive the filtering lens therebetween.
3. The sports article display device of claim 2, wherein the first section and the second section each comprise:
 - a magnifier receiving groove disposed on at least a portion of the first section and the second section; and
 - a lens receiving groove disposed on at least a portion of the first section and the second section to receive the filtering lens therein, such that the lens receiving groove protrudes away from an outer surface of the first section and an outer surface of the second section, and is recessed on an interior of the first section and the second section.
4. The sports article display device of claim 2, further comprising:

a magnification lens removably connected to at least a portion of the viewer body to magnify the picture on the filtering lens while viewing the picture through the eyepiece.

5. The sports article display device of claim 1, wherein the filtering lens receives light from an external environment to illuminate the picture.

6. A sports article display device, comprising:
a main body;
an inner tube disposed within at least a portion of the main body;
a display unit disposed at an end of the inner tube to display at least one image thereon; and
a control unit disposed within at least a portion of the main body and connected to the display unit to receive the at least one image to be displayed on the display unit.

7. The sports article display device of claim 6, wherein the control unit receives the at least one image from an external device connected to the control unit.

8. The sports article display device of claim 6, wherein the control unit adjusts at least one setting in response to receiving an input signal from an external device.

9. The sports article display device of claim 6, wherein the control unit automatically retrieves the at least one image from an external device to be displayed on the display unit in response to the external device being within a predetermined distance of the control unit.

10. The sports article display device of claim 6, further comprising:
an eyepiece removably connected to at least a portion of the inner tube to facilitate viewing of the display unit.

11. A sports article display device, comprising:

a main body;

an inner tube disposed within at least a portion of the main body;

an image projecting unit disposed within at least a portion of the main body to display at least one image away therefrom to another medium outside a boundary of the main body; and

a control unit disposed within at least a portion of the main body and connected to the image projecting unit to receive the at least one image to be to be displayed by the image projecting unit.

12. The sports article display device of claim 11, wherein the image projecting unit projects the at least one image on the another medium.

13. The sports article display device of claim 11, wherein the image projecting unit broadcasts, via a signal, the at least one image onto an external display screen.

14. The sports article display device of claim 11, wherein the image projecting unit projects a holographic display of the at least one image, such that the holographic display is three-dimensional.

15. The sports article display device of claim 11, wherein the control unit extracts at least one of image data and video data stored thereon to overlay the at least one image.

16. A sports article display device, comprising:

a main body;

an inner tube disposed within at least a portion of the main body;

an eyepiece removably connected to at least a portion of the inner tube to facilitate viewing;

a filtering lens removably connected to at least a portion of the inner tube to receive a picture thereon for viewing through the eyepiece; and

an inflatable bladder disposed within at least a portion of the main body to contact at least a portion of an interior surface of the main body and prevent compression of the main body from an application of force.

17. The sports article display device of claim 16, wherein the inflatable bladder increase a rigidity level of the main body.

18. The sports article display device of claim 16, wherein the inflatable bladder has a ring shape.

19. The sports article display device of claim 16, further comprising:

an inflation aperture disposed on at least a portion of the main body to receive an air supply unit therein.

20. The sports article display device of claim 19, wherein the inflation aperture connects only to the inflatable bladder.

21. A sports article display device, comprising:

a main body;

an inner tube disposed within at least a portion of the main body;

an eyepiece removably connected to at least a portion of the inner tube to facilitate viewing;

a display unit disposed within at least a portion of the main body to perform at least one of receiving at least one picture thereon for viewing through the eyepiece, displaying at least one image thereon, and displaying the at least one image away therefrom to another medium outside a boundary of the main body;

a control unit disposed within at least a portion of the main body and connected to the display unit to receive the at least image to be displayed on the display unit; and

an inflatable bladder disposed within at least a portion of the main body to contact at least a portion of an interior surface of the main body and prevent compression of the main body from an application of force.

22. The sports article display device of claim 21, wherein the eyepiece is prevented from viewing the at least one image while the at least one picture remains on the display unit.

23. The sports article display device of claim 21, wherein the control unit prevents the display unit from displaying the at least one image in response to the display unit detecting a presence of the at least one picture.

24. The sports article display device of claim 21, wherein the control unit extracts at least one of image data and video data stored thereon to overlay the at least one image.

25. The sports article display device of claim 21, further comprising:
an inflation aperture disposed on at least a portion of the main body to receive an air supply unit therein.

ABSTRACT

A sports article display device, including a main body, an inner tube disposed within at least a portion of the main body, an eyepiece removably connected to at least a portion of the inner tube to facilitate viewing, and a filtering lens removably connected to at least a portion of the inner tube to receive a picture thereon to be viewed through the eyepiece.