



US00D980545S

(12) **United States Design Patent** (10) **Patent No.:** **US D980,545 S**  
**Hernandez et al.** (45) **Date of Patent:** **\*\* \*Mar. 7, 2023**

(54) **HEARING PROTECTOR**

FOREIGN PATENT DOCUMENTS

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EM 008147946-0001 \* 12/2020  
KR 3008011120000 6/2015

(Continued)

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OTHER PUBLICATIONS

Amazon, "Dr.meter EM100 Kids Protective Earmuffs", first available Sep. 23, 2016. (<https://www.amazon.com/Dr-Meter-EM100-Protective-Earmuffs-Adjustable/dp/B01LWYWH43/?th=1>) (Year: 2016).\*

(Continued)

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(\* ) Notice: This patent is subject to a terminal disclaimer.

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(\*\*) Term: **15 Years**

(21) Appl. No.: **29/744,626**

(57) **CLAIM**

The ornamental design for a hearing protector, as shown and described.

(22) Filed: **Jul. 30, 2020**

**Related U.S. Application Data**

**DESCRIPTION**

(63) Continuation-in-part of application No. 29/726,028, filed on Feb. 28, 2020.

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.

(51) **LOC (14) Cl.** ..... **29-02**

FIG. 1 is a perspective view of a hearing protector of the present disclosure;

(52) **U.S. Cl.**  
USPC ..... **D29/112**

FIG. 2 is a right side elevation view thereof, with the left side being a mirror image thereof;

(58) **Field of Classification Search**  
USPC ..... D29/100, 108, 112

FIG. 3 is a front elevation view thereof, with the rear view being a mirror image thereof;

(Continued)

FIG. 4 is a top plan view thereof; and,

FIG. 5 is a bottom plan view thereof.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

The portions of the hearing protector in FIGS. 1-5 shown in broken lines are included to show features that form no part of the claimed design.

D651,764 S \* 1/2012 Gresko ..... A61F 11/14

D29/112

D686,190 S \* 7/2013 Karacal ..... A61F 11/14

D14/205

(Continued)

**1 Claim, 4 Drawing Sheets**  
**(4 of 4 Drawing Sheet(s) Filed in Color)**



(58) **Field of Classification Search**

CPC . A42B 3/16; A42B 3/163; A61F 11/06; A61F 11/14; A61F 11/145

See application file for complete search history.

FOREIGN PATENT DOCUMENTS

TW	1696380001	5/2013
TW	1667760001	4/2015
TW	1783640001	9/2016
TW	1861010001	10/2017

(56) **References Cited**

U.S. PATENT DOCUMENTS

D752,816 S *	3/2016	Fletcher	.....	D29/112
D778,258 S *	2/2017	Hsu	.....	D14/205
D834,260 S *	11/2018	Garcia Mansilla	.....	D29/112
D848,679 S *	5/2019	Wilson	.....	H04R 1/1066 D29/112
D859,355 S *	9/2019	Hu	.....	H04R 1/1083 D14/206
D860,161 S *	9/2019	Xia	.....	D14/205
D885,683 S *	5/2020	Qiu	.....	D29/112
D902,496 S *	11/2020	Bui	.....	D29/112
D944,758 S *	3/2022	Tang	.....	D14/205
2015/0117660 A1 *	4/2015	Fletcher	.....	H04R 1/1083 381/72
2020/0374622 A1 *	11/2020	Kara	.....	H04R 1/1066

OTHER PUBLICATIONS

Amazon, "Lucid Audio HearMuffs", first available Jan. 5, 2018. (<https://www.amazon.com/Lucid-Audio-ETYLAKIDSPMRD-Kids-HearMuffs/dp/B078RWCVMP/?th=1>) (Year: 2018).\*

Amazon, "3M Kids Hearing Protection", first available Mar. 17, 2020. (<https://www.amazon.com/3M-Protection-Children-Adjustable-Reduction/dp/B07ZDSPSQQ?th=1>) (Year: 2020).\*

Amazon, "Kids/Toddler Ear Protection Safety Ear Muffs", first available Nov. 5, 2021. (<https://www.amazon.com/Toddler-Protection-Cancelling-Headphones-Earmuffs/dp/B09TS7W3HP/?th=1>) (Year: 2021).\*

\* cited by examiner





FIG. 1





FIG. 2



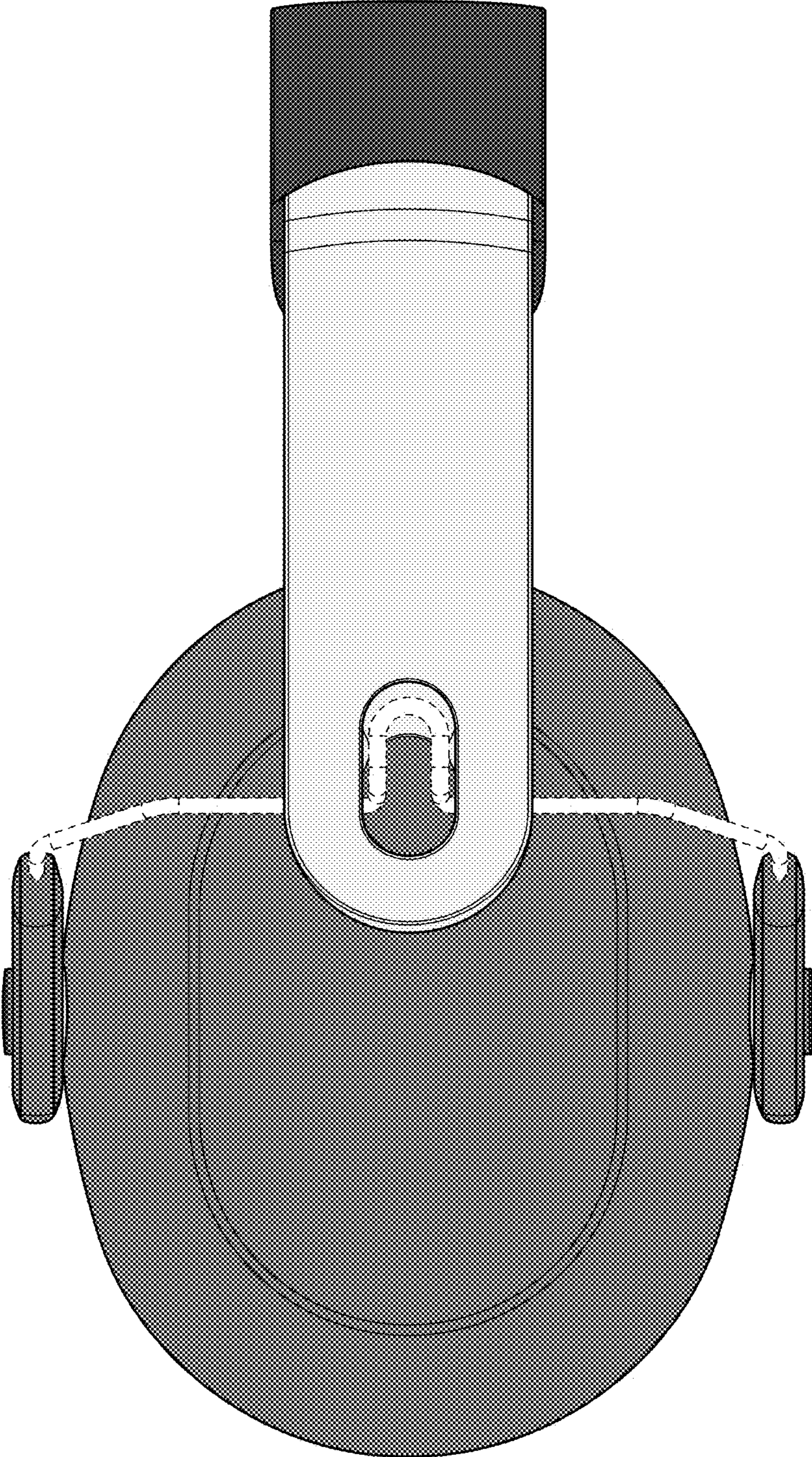


FIG. 3



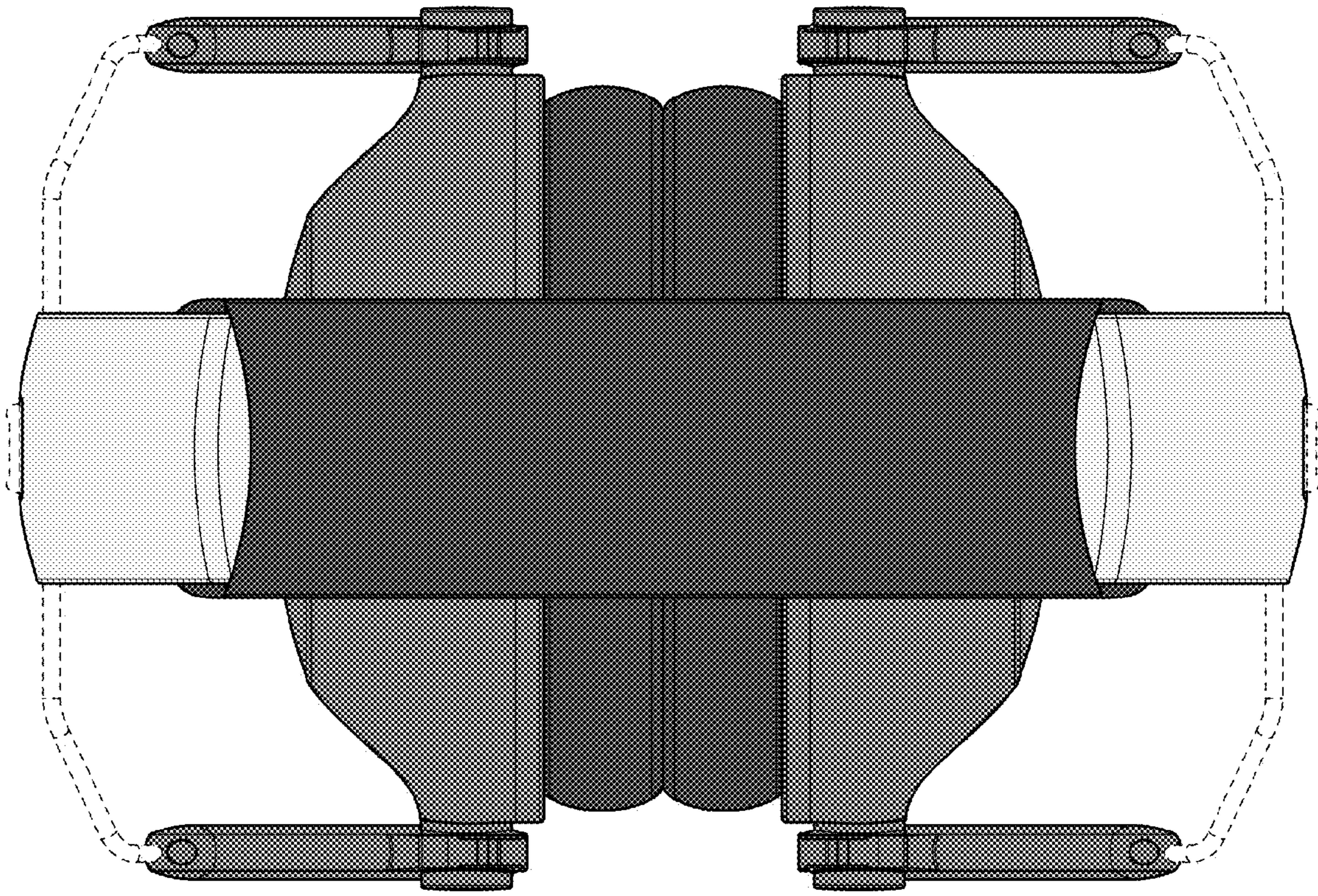


FIG. 4

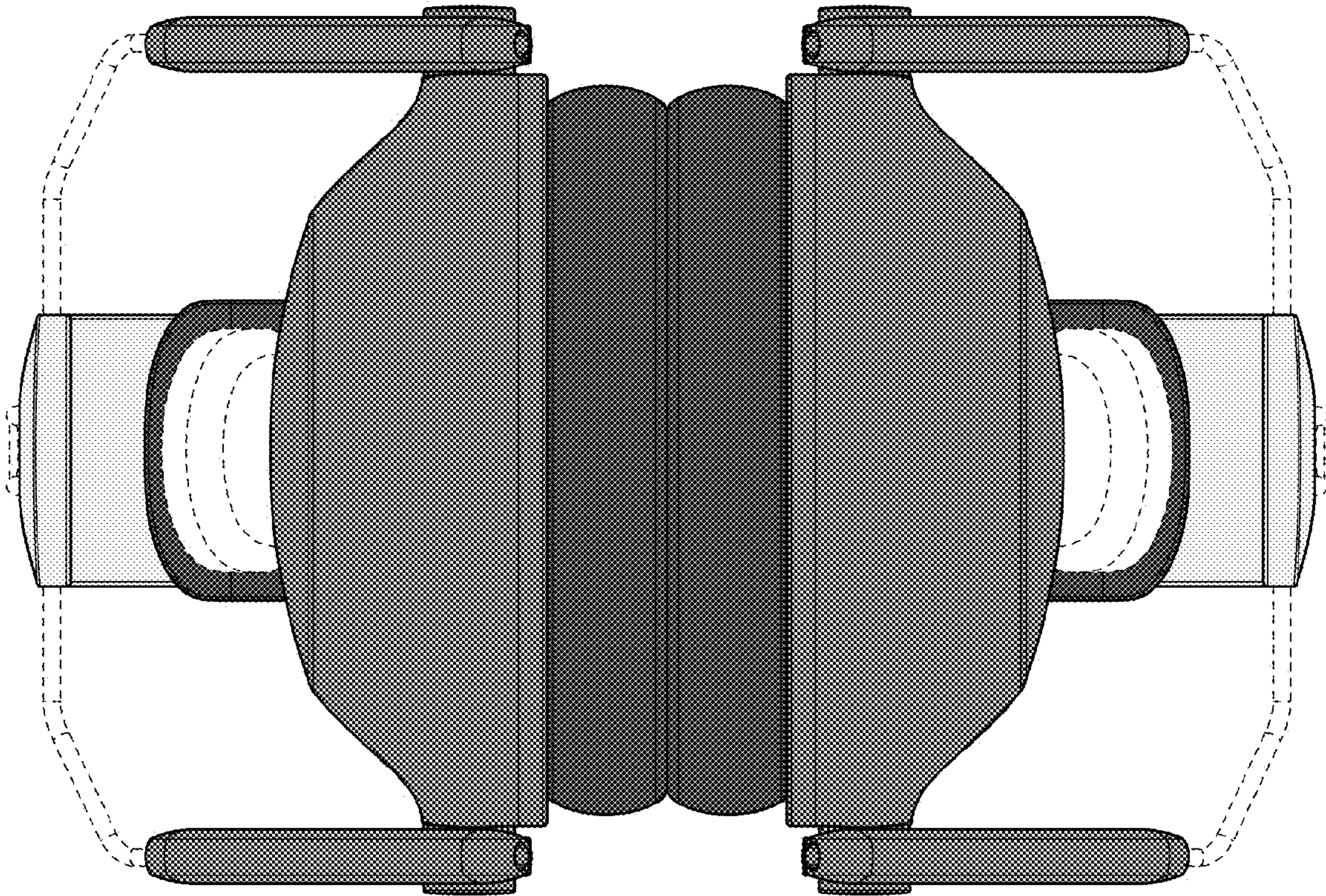


FIG. 5