



(12) **United States Design Patent** (10) **Patent No.:** **US D972,735 S**
Keller et al. (45) **Date of Patent:** **** Dec. 13, 2022**

(54) **HEADWEAR**
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 (73) Assignee: **NEUROCITY, INC.**, Brooklyn, NY (US)
 (**) Term: **15 Years**

D787,124 S 5/2017 Purkey
 D797,993 S 9/2017 Tokko
 D809,517 S 2/2018 Sakata et al.
 (Continued)

FOREIGN PATENT DOCUMENTS

CA 187726 S 1/2021
 JP 2007277785 A 10/2007
 WO 2014094036 A1 6/2014

OTHER PUBLICATIONS

Waytowich et al., "Spectral Transfer Learning Using Information Geometry for a User-Independent Brain-Computer Interface," *Frontiers in Neuroscience*, Sep. 22, 2016, pp. 1-15, vol. 10, Article 430.
 (Continued)

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 (51) **LOC (13) Cl.** **24-02**
 (52) **U.S. Cl.**
 USPC **D24/186**; D14/372
 (58) **Field of Classification Search**
 USPC D24/164, 165, 167, 168, 169, 186, 187, D24/107, 200; D10/70, 344; D14/372; D29/102
 CPC A61B 5/256; A61B 5/266; A61B 5/369; A61B 5/6803; A61B 5/6814; A61B 5/6831; G06F 3/015; G06F 1/163
 See application file for complete search history.

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(57) **CLAIM**

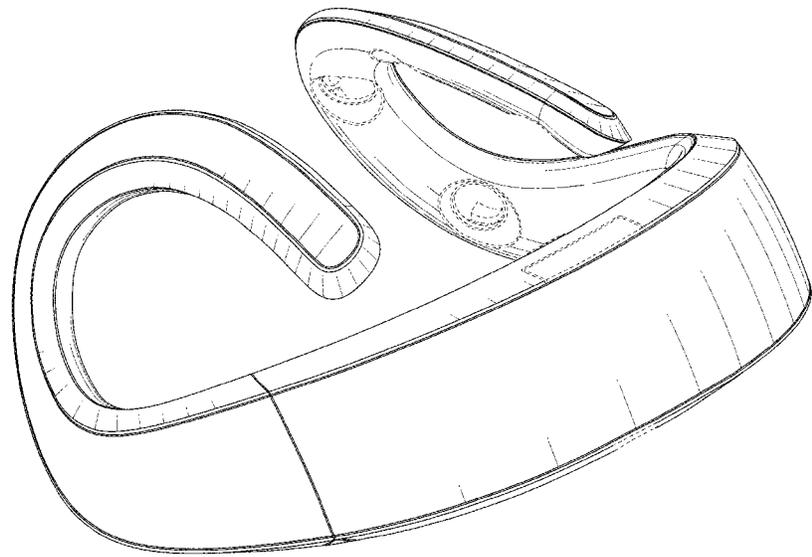
The ornamental design for a headwear, as shown and described.

DESCRIPTION

FIG. 1 is a rear, side perspective view of the headwear in accordance with the present design;
 FIG. 2 is a rear view thereof;
 FIG. 3 is a front view thereof;
 FIG. 4 is a left side view thereof;
 FIG. 5 is a right side view thereof;
 FIG. 6 is a top view thereof;
 FIG. 7 is a bottom view thereof; and,
 FIG. 8 is a front, perspective view of the headwear of FIGS. 1-7, illustrating electrodes installed in the receptacles of the headwear shown in FIGS. 1-7.
 The broken lines showing the electrodes in FIG. 8 represent environmental structures and form no part of the claimed design.

(56) **References Cited**
 U.S. PATENT DOCUMENTS
 2,640,198 A 6/1953 Mullen
 3,050,071 A 8/1962 Hall
 D399,640 S 10/1998 Hiltunen
 6,291,824 B1 9/2001 Battarbee et al.
 6,728,564 B2 4/2004 Lahteenmaki
 6,944,602 B2 9/2005 Cristianini
 8,548,555 B2 10/2013 Jin et al.
 D762,330 S 7/2016 Floyd, Jr. et al.
 D770,145 S 11/2016 Aimone et al.
 D776,286 S * 1/2017 Min D24/187

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D829,208 S 9/2018 Dallmeyer et al.
 D830,341 S 10/2018 Yokozeki
 D834,749 S 11/2018 Purkey
 D835,842 S 12/2018 Parsons
 D861,682 S 10/2019 Serota
 D862,467 S 10/2019 Chen
 D862,468 S 10/2019 Chen
 D864,960 S 10/2019 Nieto et al.
 D866,867 S 11/2019 Devitt
 D869,464 S 12/2019 Chang et al.
 D869,772 S 12/2019 Gand
 D881,879 S 4/2020 Keller et al.
 D885,383 S 5/2020 Chang et al.
 D889,464 S 7/2020 Wang et al.
 D894,181 S 8/2020 Kitakami
 D895,616 S 9/2020 Kitakami
 D904,402 S 12/2020 Marquis et al.
 D916,702 S 4/2021 Newsom et al.
 D918,864 S 5/2021 Bulte et al.
 D922,593 S * 6/2021 Chu D24/200
 D923,804 S * 6/2021 Cran D24/200
 D929,991 S 9/2021 Keller et al.
 2005/0058317 A1 3/2005 Montgomery
 2005/0071301 A1 3/2005 Kuroiwa
 2007/0133878 A1 6/2007 Porikli et al.

2009/0271904 A1 11/2009 Bentley
 2012/0071780 A1 3/2012 Barachant et al.
 2012/0180805 A1 7/2012 Conway
 2014/0296669 A1 10/2014 Gertsch et al.
 2015/0000006 A1 1/2015 Anderson
 2015/0112153 A1* 4/2015 Nahum A61B 5/6803
 600/383
 2016/0262704 A1* 9/2016 Min A61B 5/6803
 2016/0338636 A1* 11/2016 IDrees A61B 5/6831
 2017/0042439 A1 2/2017 Yeow et al.
 2018/0103928 A1* 4/2018 Costa A61B 8/4281
 2019/0380647 A1* 12/2019 Wang A61B 5/6803
 2020/0159324 A1* 5/2020 Keller G06F 1/163
 2021/0085234 A1* 3/2021 Hsu A61B 5/291
 2021/0169417 A1* 6/2021 Burton A61B 5/4857
 2022/0004257 A1* 1/2022 Keller G06F 1/163

OTHER PUBLICATIONS

Parisi et al., "Ranking and Combining Multiple Predictors Without Labeled Data," PNAS, Jan. 28, 2014, pp. 1253-1258, vol. 111, No. 4.
 Notion, announced © 2019 [online], retrieved Dec. 18, 2019, retrieved from internet, <https://neurocity.com/>.
 Think to Scroll, announced Jul. 10, 2019 [online], retrieved Dec. 18, 2019, retrieved from internet, <https://www.youtube.com>.

* cited by examiner

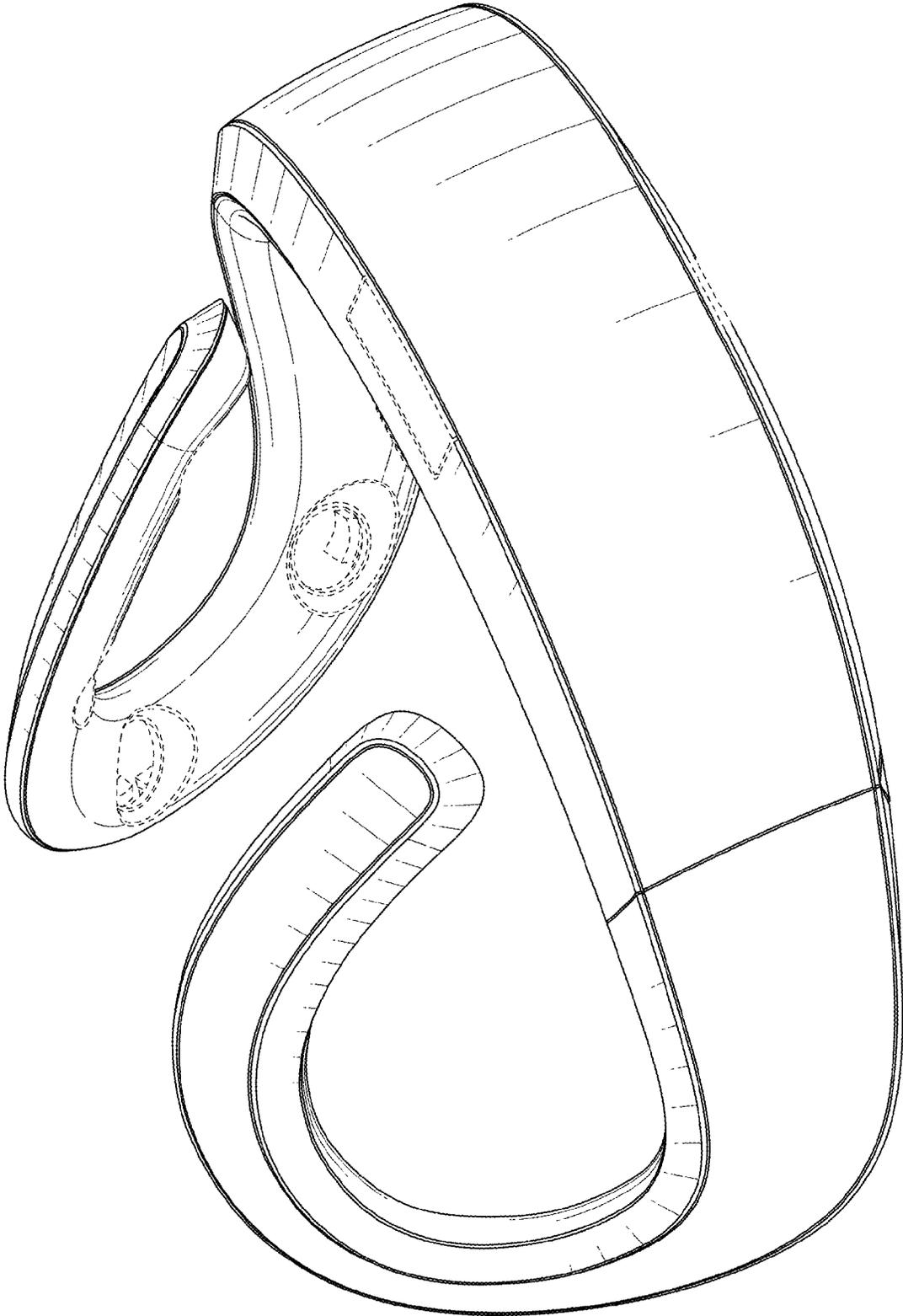


FIG. 1

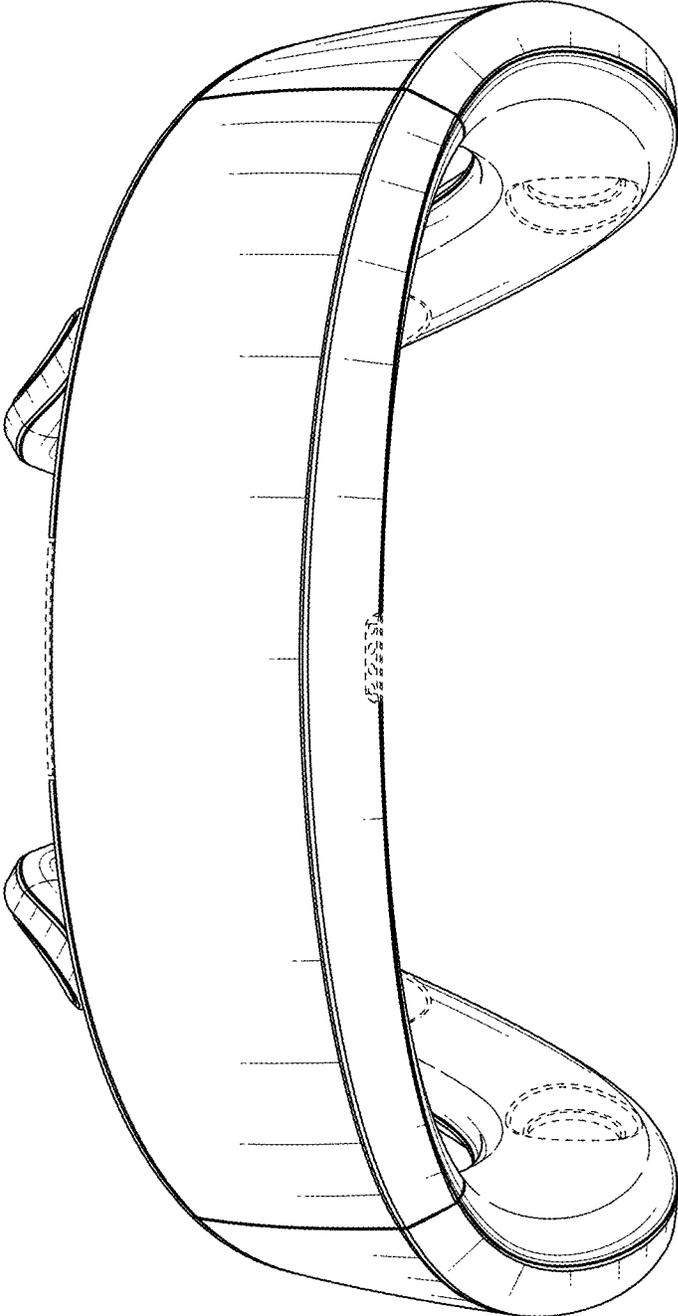


FIG. 2

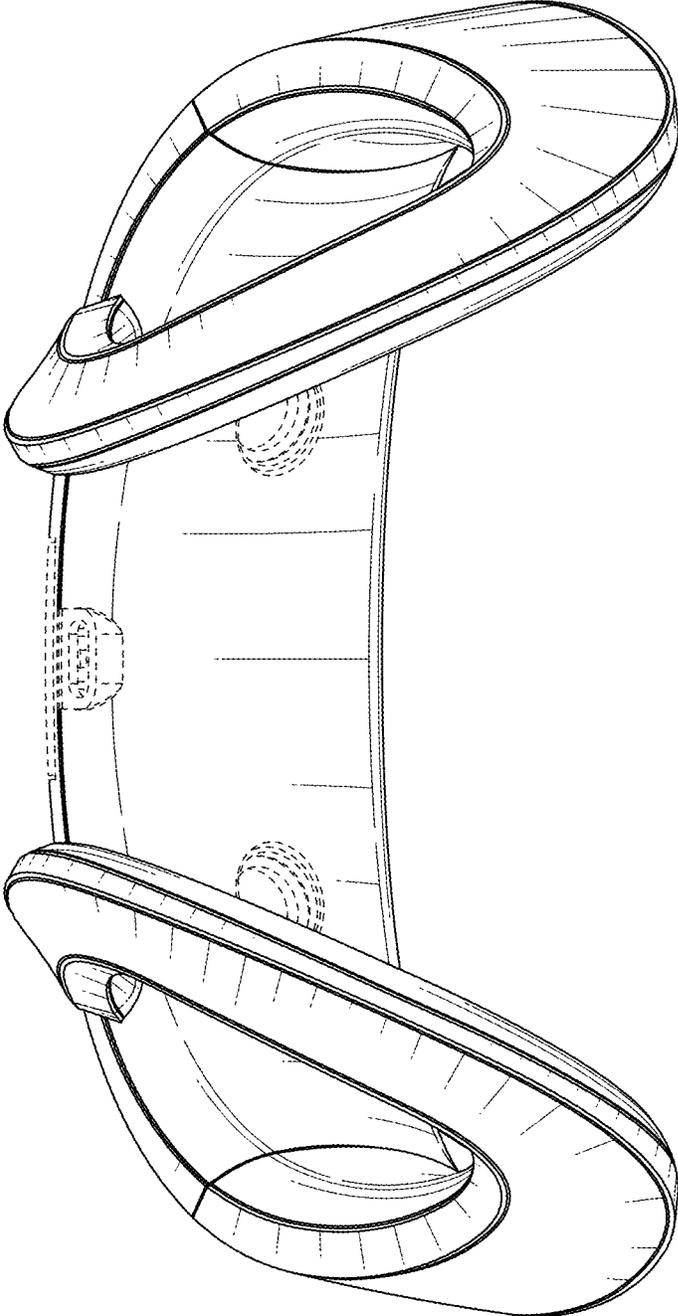


FIG. 3

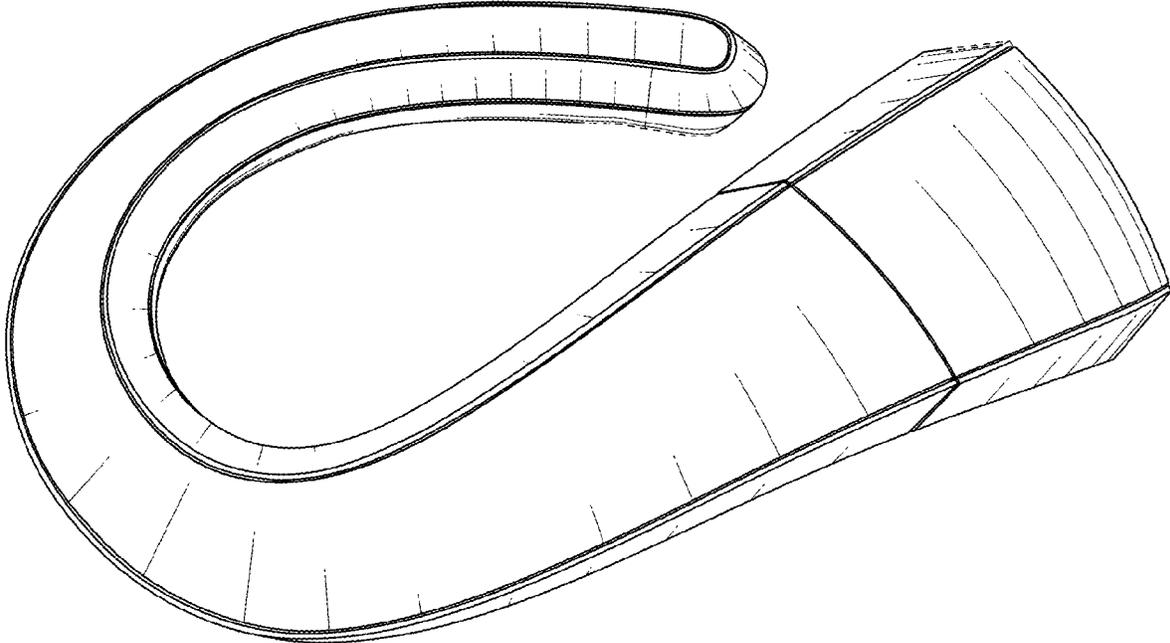


FIG. 4

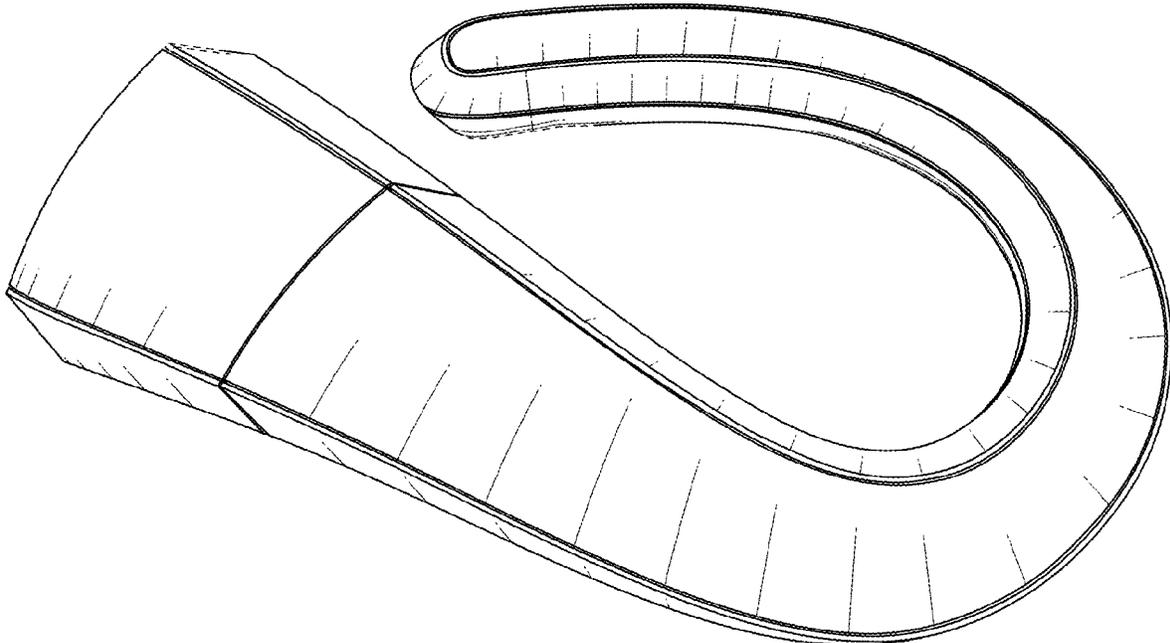


FIG. 5

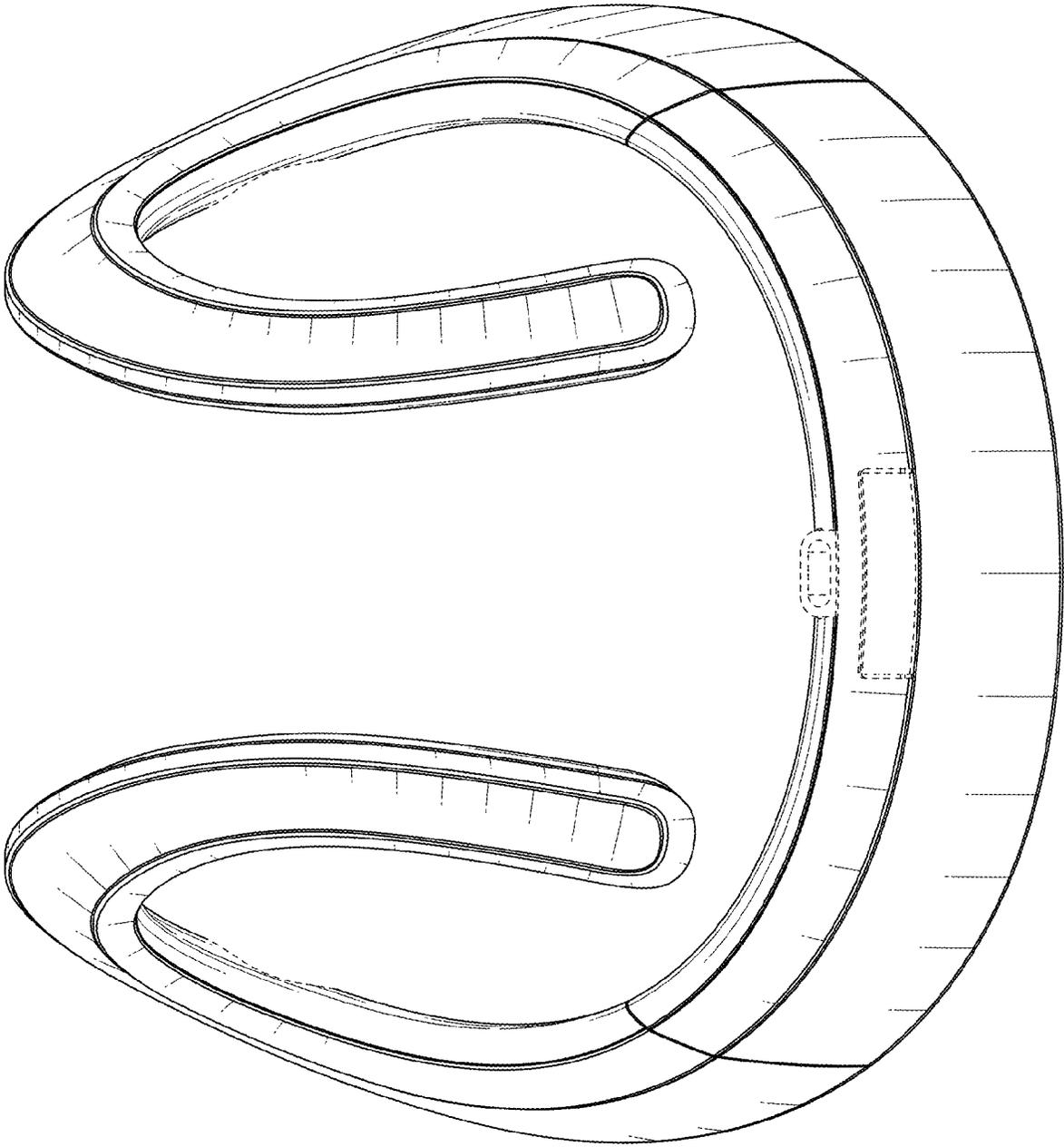


FIG. 6

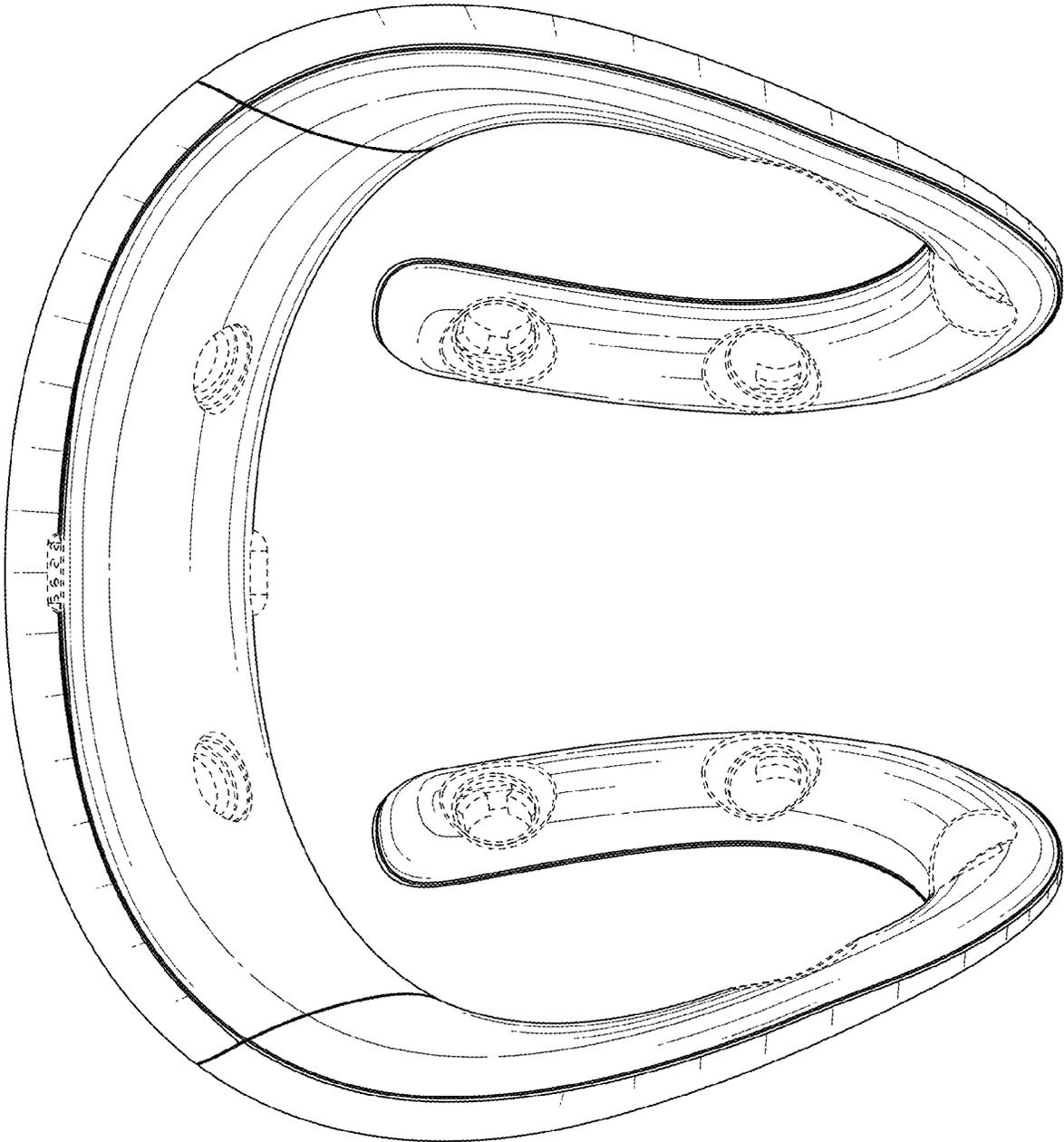


FIG. 7

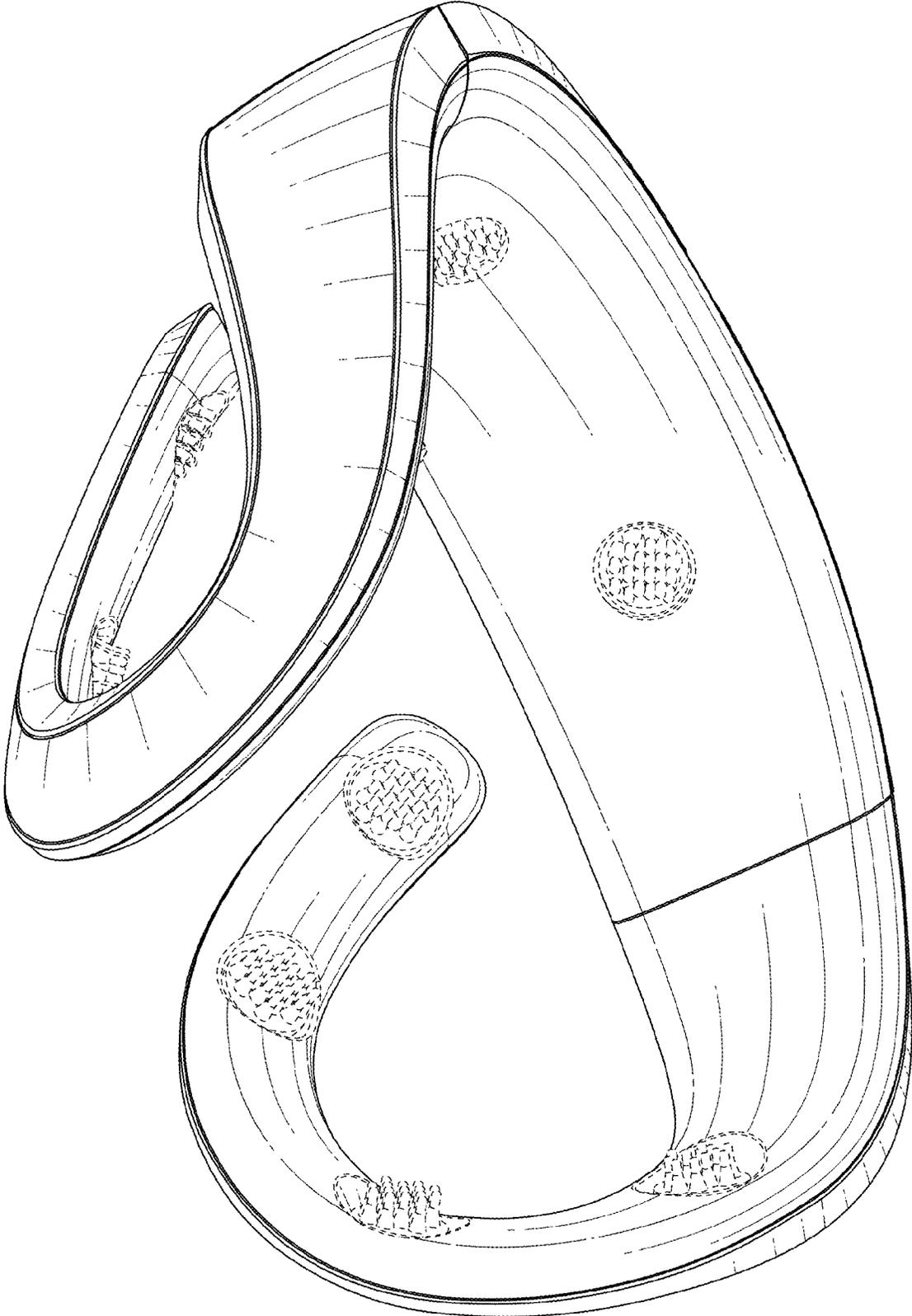


FIG. 8