



US00D955368S

(12) **United States Design Patent**  
**Wu et al.**

(10) **Patent No.:** **US D955,368 S**  
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(54) **EARPHONE**

FOREIGN PATENT DOCUMENTS

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CA 194212 \* 1/2022  
CN 306065263 \* 9/2020

(Continued)

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(57) **CLAIM**

The ornamental design for an earphone, as shown and described.

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

**DESCRIPTION**

(21) Appl. No.: **29/735,031**

FIG. 1 is a top, front, and right perspective view of a first embodiment of the earphone.

(22) Filed: **May 18, 2020**

FIG. 2 is a bottom, rear, and left perspective view of the earphone of FIG. 1.

(30) **Foreign Application Priority Data**

Nov. 20, 2019 (CN) ..... 201930639986.0

FIG. 3 is a front view of the earphone of FIG. 1.

(51) **LOC (13) Cl.** ..... **14-01**

FIG. 4 is a rear view of the earphone of FIG. 1.

(52) **U.S. Cl.**

USPC ..... **D14/223**

FIG. 5 is a left side view of the earphone of FIG. 1.

(58) **Field of Classification Search**

USPC ..... D14/223, 205; D24/174; 128/864-866; 381/380, 381, 322, 328; 455/90.3, 575.1, 455/569.1

FIG. 6 is a right side view of the earphone of FIG. 1.

CPC ..... H04R 1/10; H04R 25/00; H04R 25/02; H04R 1/1066; H04R 1/1016; H04R 5/033;

FIG. 7 is a top view of the earphone of FIG. 1.

FIG. 8 is a bottom view of the earphone of FIG. 1.

FIG. 9 is a top, front, and right perspective view of a second embodiment of the earphone.

FIG. 10 is a bottom, rear, and left perspective view of the earphone of FIG. 9.

FIG. 11 is a front view of the earphone of FIG. 9.

FIG. 12 is a rear view of the earphone of FIG. 9.

FIG. 13 is a left side view of the earphone of FIG. 9.

FIG. 14 is a right side view of the earphone of FIG. 9.

FIG. 15 is a top view of the earphone of FIG. 9; and,

FIG. 16 is a bottom view of the earphone of FIG. 9.

The ornamental design which is claimed is shown in solid lines in the drawings. The broken line showing in FIGS. 1-16 illustrates the environment, which forms no part of the claimed design. The shade lines in the figures show contour, not surface ornamentation and form no part of the claimed design.

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

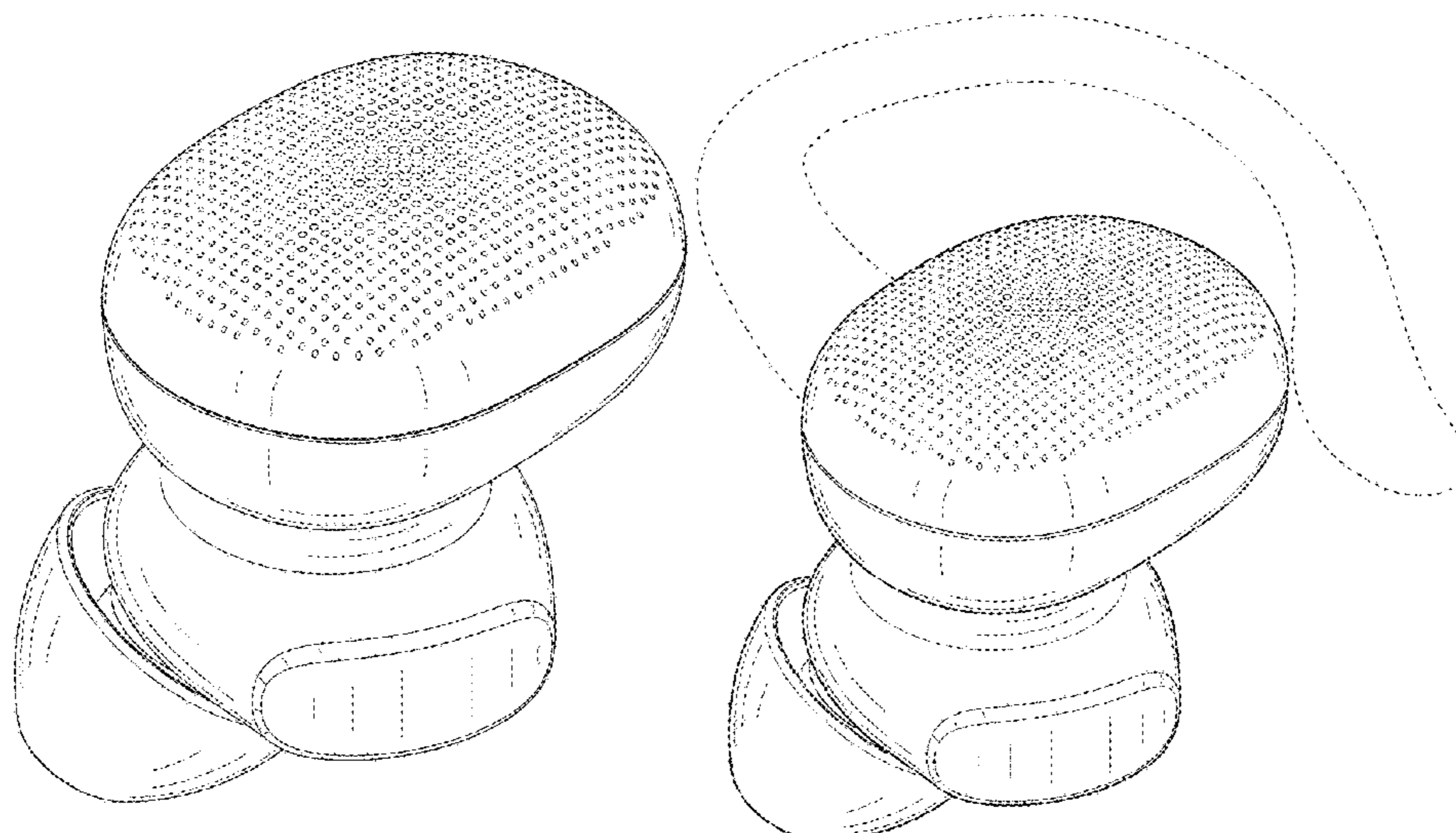
4,977,975 A \* 12/1990 Lazzeroni ..... H04R 1/225 181/129

D488,461 S \* 4/2004 Okada ..... D14/223

D508,479 S \* 8/2005 Okada ..... D14/206

(Continued)

**1 Claim, 8 Drawing Sheets**



- (58) **Field of Classification Search**  
 CPC .... H04R 5/0335; H04R 1/105; H04R 1/1083;  
 H04R 1/1091  
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

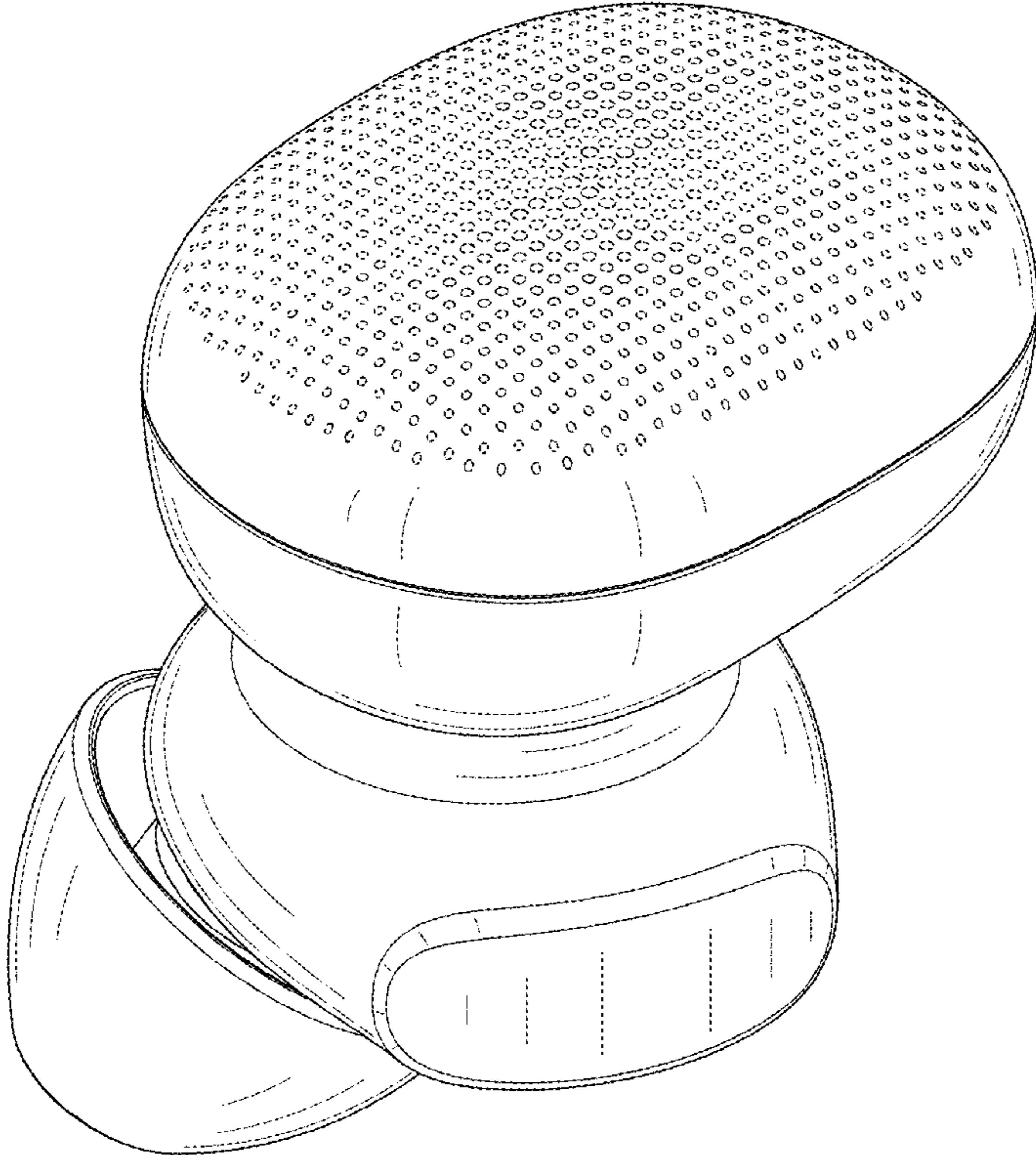
D508,911 S \* 8/2005 Sanders ..... D14/223  
 D531,169 S \* 10/2006 Tokioka ..... D14/223  
 D542,282 S \* 5/2007 Yoshiyama ..... D14/223  
 7,231,056 B2 \* 6/2007 Chen ..... H04R 1/1066  
 381/381  
 D601,126 S \* 9/2009 Christopher ..... D14/206  
 D617,778 S \* 6/2010 Birger ..... D14/223  
 D632,282 S \* 2/2011 Kitayama ..... D14/223  
 D642,163 S \* 7/2011 Lee ..... D14/223  
 D647,081 S \* 10/2011 Kwon ..... D14/223  
 8,265,328 B2 \* 9/2012 Milde ..... H04R 1/1066  
 381/381  
 D695,275 S \* 12/2013 Chee ..... D14/223  
 D710,333 S \* 8/2014 Davies ..... H04R 1/10  
 D14/223  
 D714,260 S \* 9/2014 Han ..... D14/223  
 D719,548 S \* 12/2014 Thompson ..... D14/223  
 D725,082 S \* 3/2015 Palmborg ..... D14/223  
 D733,102 S \* 6/2015 Palmborg ..... D14/223  
 9,148,714 B2 \* 9/2015 Zhao ..... H04R 1/021  
 D773,438 S \* 12/2016 Walker ..... D14/223  
 D777,710 S \* 1/2017 Palmborg ..... D14/223  
 D795,225 S \* 8/2017 Sumii ..... D14/223  
 D809,486 S \* 2/2018 Arimoto ..... D14/223  
 D809,487 S \* 2/2018 Lee ..... D14/223  
 D816,637 S \* 5/2018 Hardi ..... D14/223  
 D832,825 S \* 11/2018 Samrelius ..... D14/223  
 D850,408 S \* 6/2019 Kawabata ..... D14/206  
 D862,424 S \* 10/2019 You ..... D14/223  
 D876,398 S \* 2/2020 Cai ..... D14/223  
 D896,204 S \* 9/2020 Brunner ..... D14/223

D900,064 S \* 10/2020 Laffon de Mazieres .... D14/223  
 D902,186 S \* 11/2020 Sun ..... D14/223  
 10,827,249 B1 \* 11/2020 Pine ..... H04R 1/1041  
 10,880,632 B1 \* 12/2020 Boyd ..... H04R 1/06  
 D909,336 S \* 2/2021 Adams ..... D14/205  
 D922,984 S \* 6/2021 Li ..... D14/223  
 D926,732 S \* 8/2021 Ai ..... D14/223  
 D930,615 S \* 9/2021 Tanaka ..... D14/223  
 D930,616 S \* 9/2021 Schoeck ..... D14/223  
 D930,617 S \* 9/2021 Tanaka ..... D14/223  
 D936,034 S \* 11/2021 Yoshida ..... D14/223  
 D939,479 S \* 12/2021 Wang ..... D14/223  
 D941,275 S \* 1/2022 Liu ..... D14/223  
 D942,423 S \* 2/2022 Reimann ..... D14/223  
 11,240,587 B1 \* 2/2022 DeMaio ..... H04R 1/1041  
 2002/0080989 A1 \* 6/2002 Chi-Lin ..... H04M 1/05  
 381/381  
 2008/0152183 A1 \* 6/2008 Janik ..... H04R 1/1066  
 381/375  
 2009/0285434 A1 \* 11/2009 Williams ..... H04R 1/1091  
 381/381  
 2012/0134525 A1 \* 5/2012 Chai ..... H01R 13/6485  
 381/384  
 2013/0216087 A1 \* 8/2013 MacDonald ..... H04R 1/105  
 381/381  
 2016/0249133 A1 \* 8/2016 Sørensen ..... A61B 5/02416  
 2022/0007102 A1 \* 1/2022 Guo ..... H04R 1/02

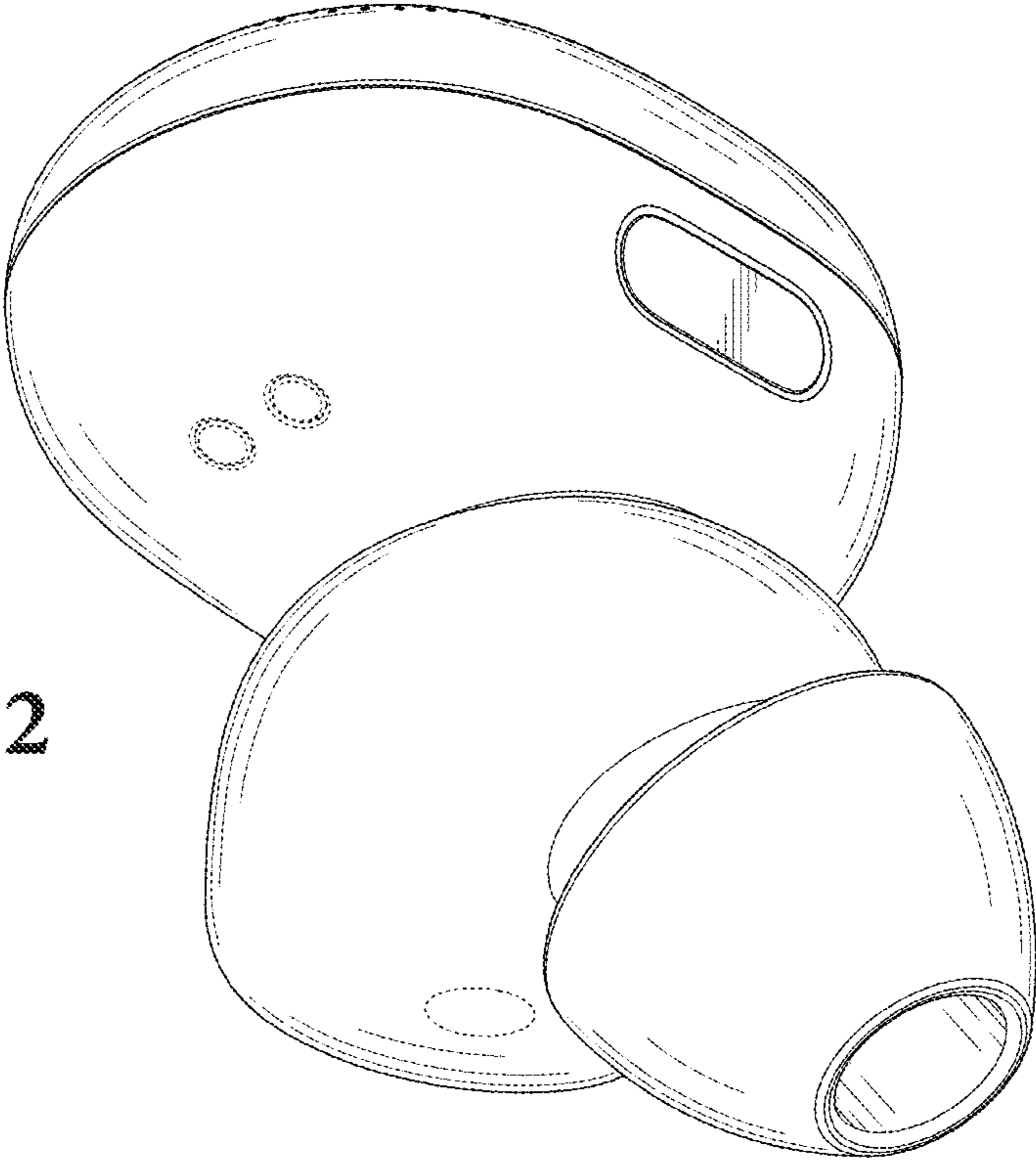
FOREIGN PATENT DOCUMENTS

CN 306350424 \* 2/2021  
 EM 006792263-0001 \* 8/2019  
 EM 007955216-0004 \* 5/2020  
 EM 008025118-0001 \* 6/2020  
 ID A00202102813-0001 \* 1/2022  
 JP 1621397 S 1/2019  
 JP 1621398 S 1/2019  
 KR 300906843 S 5/2017

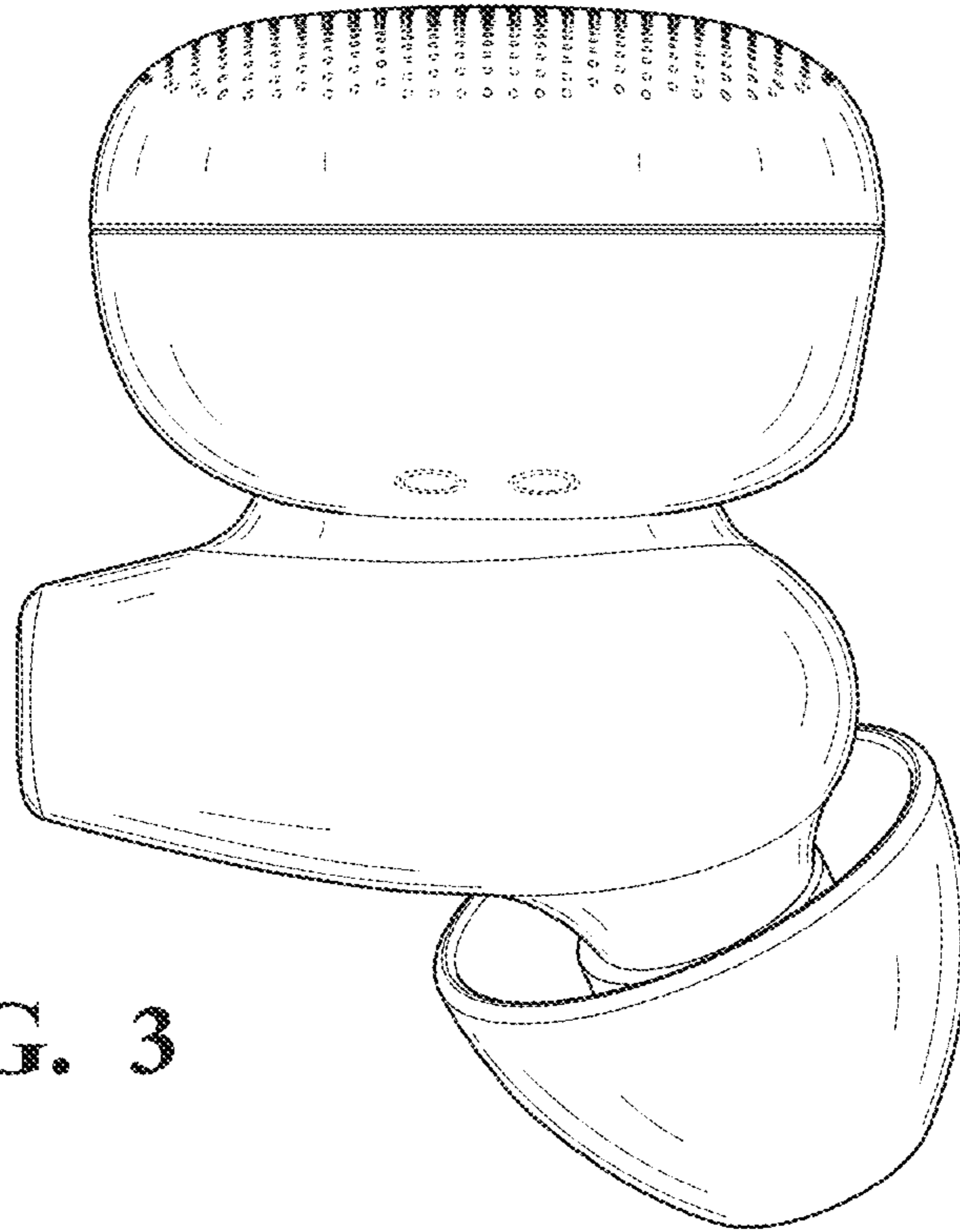
\* cited by examiner



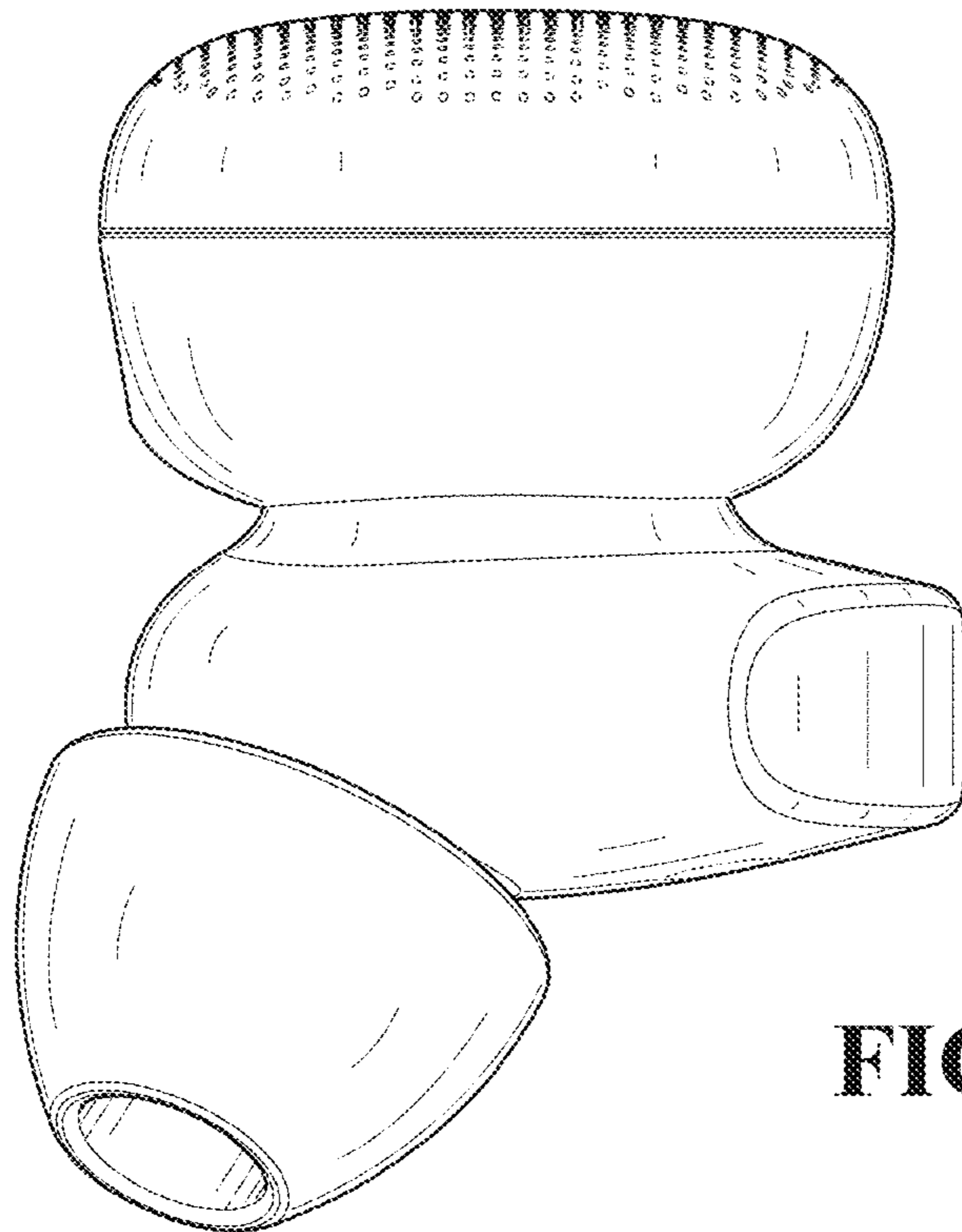
**FIG. 1**



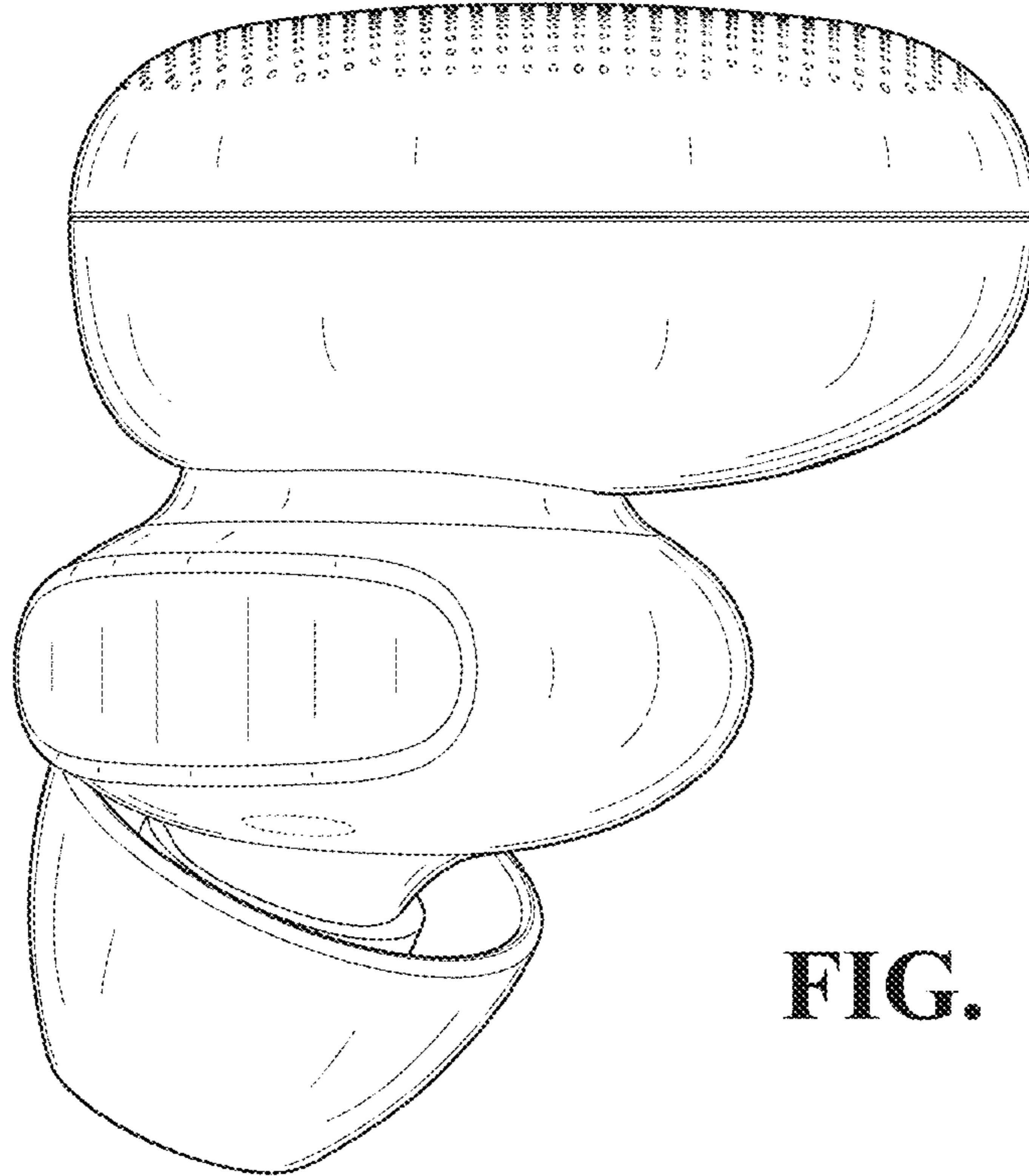
**FIG. 2**



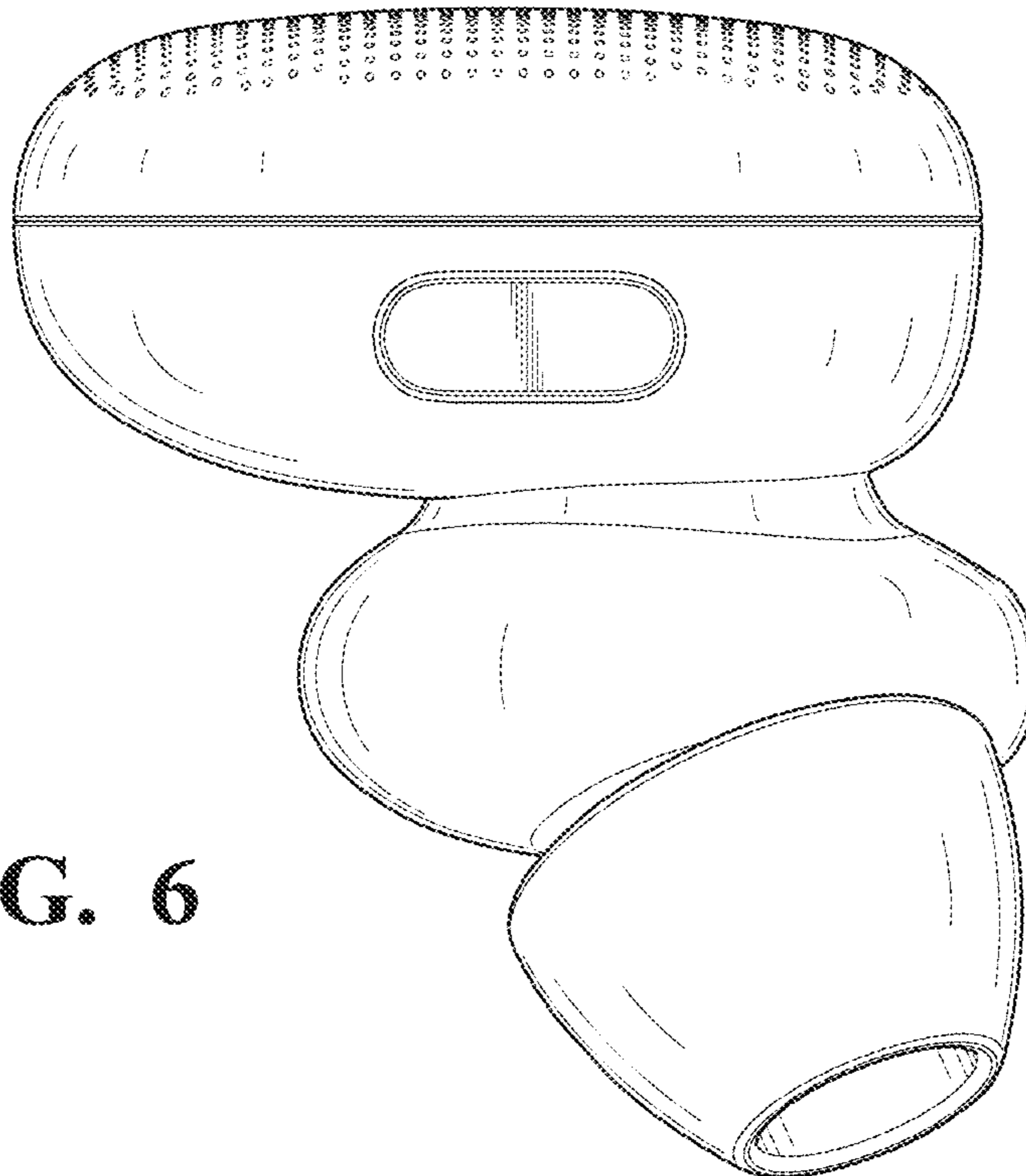
**FIG. 3**



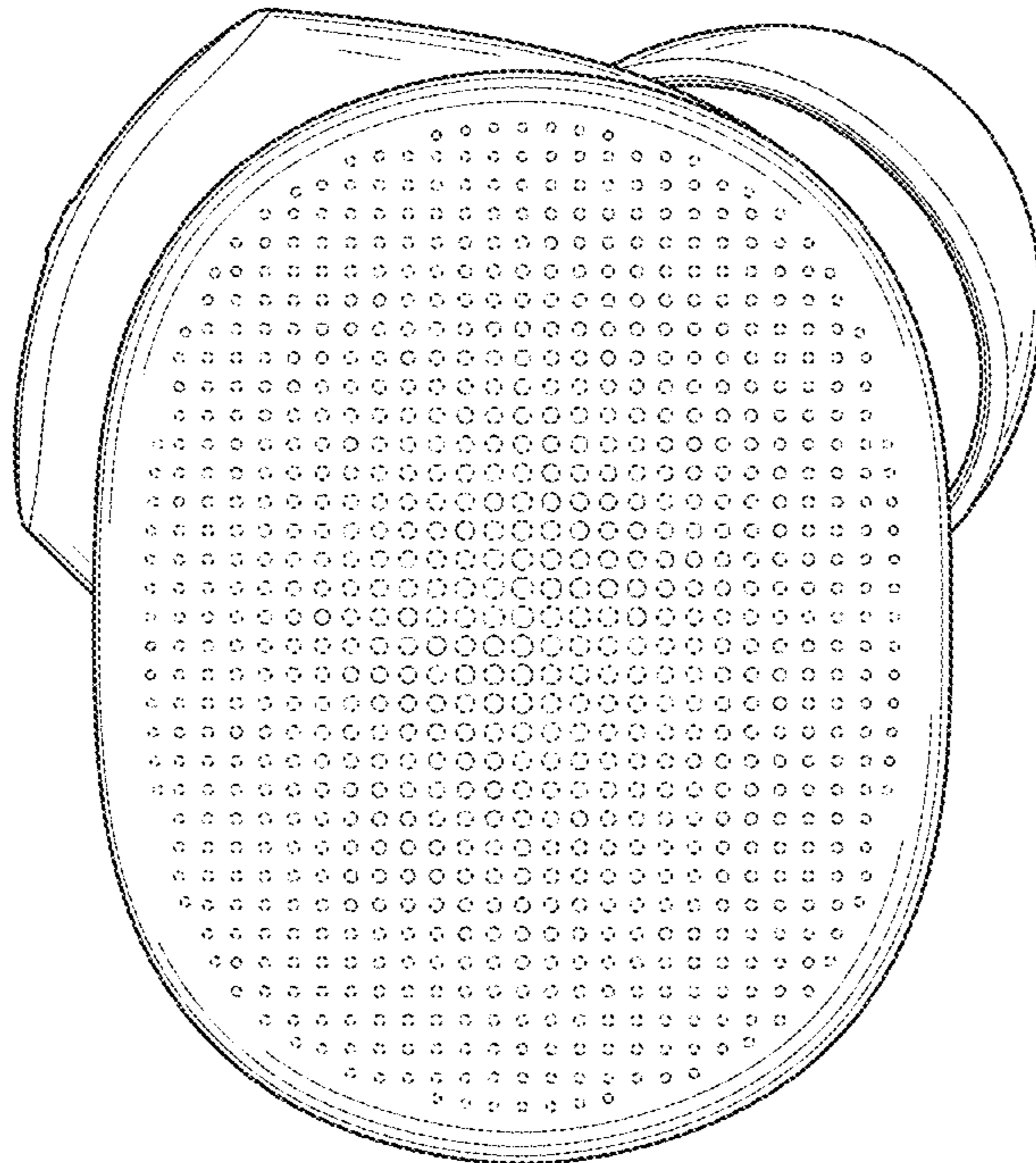
**FIG. 4**



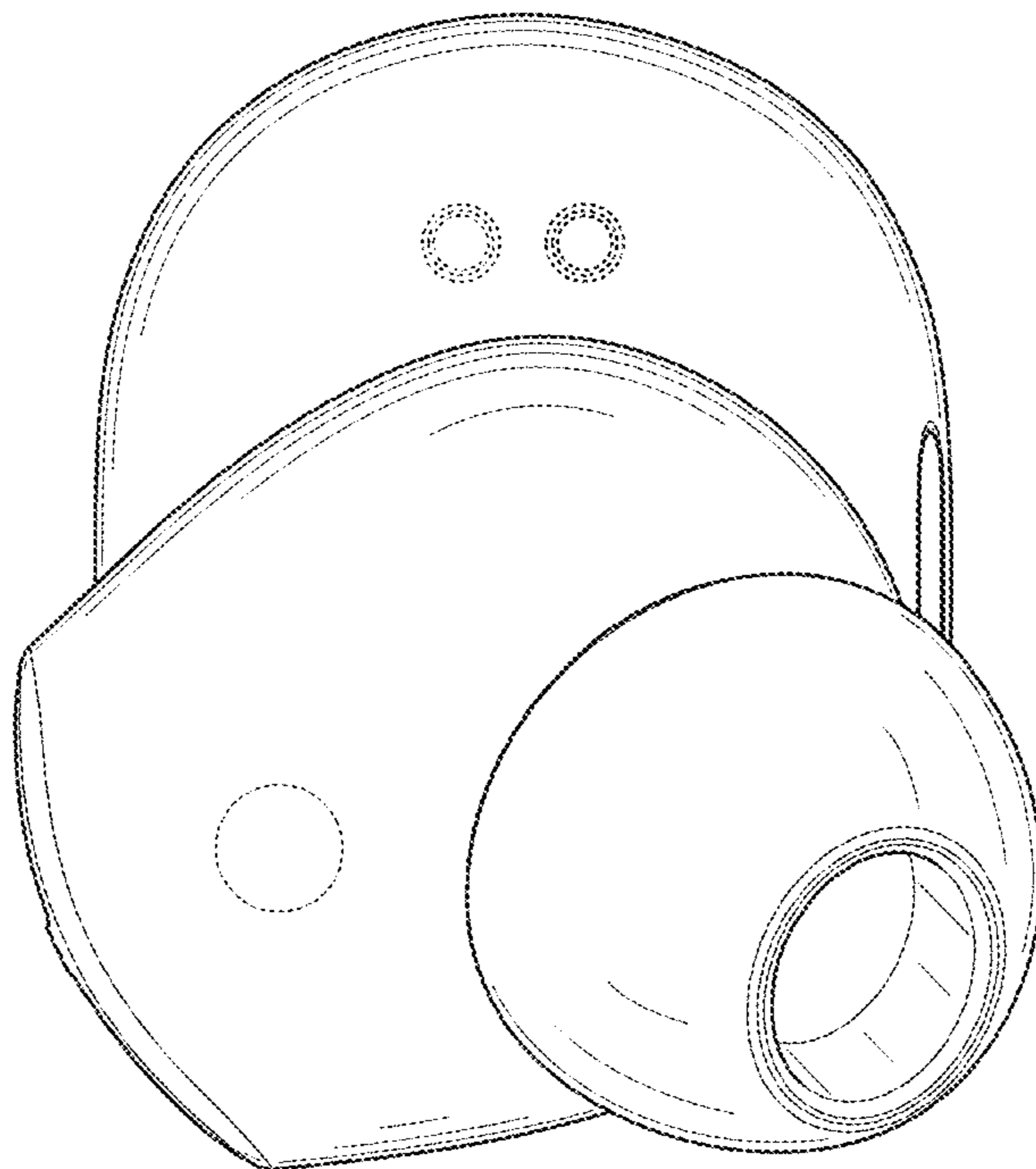
**FIG. 5**



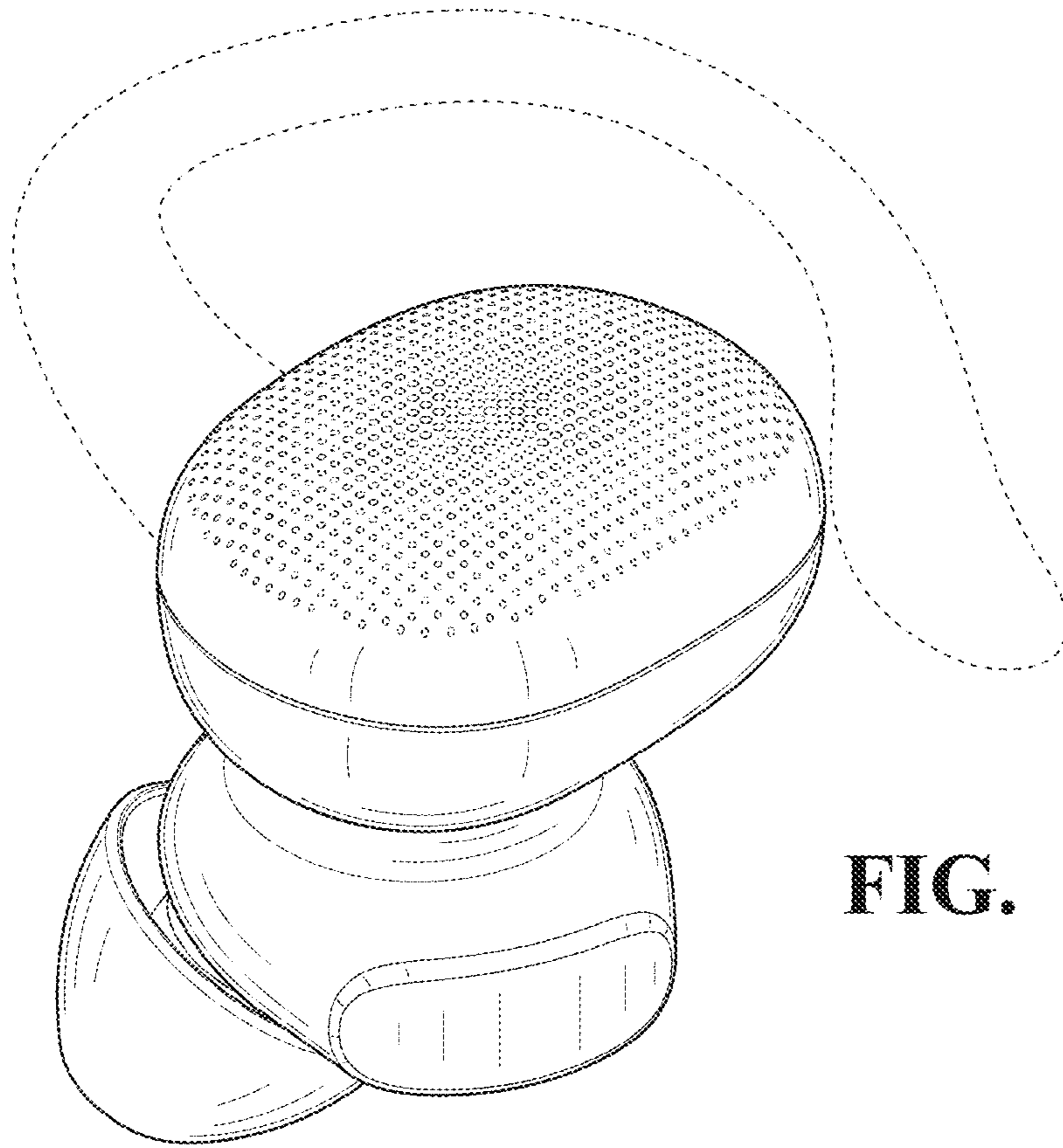
**FIG. 6**



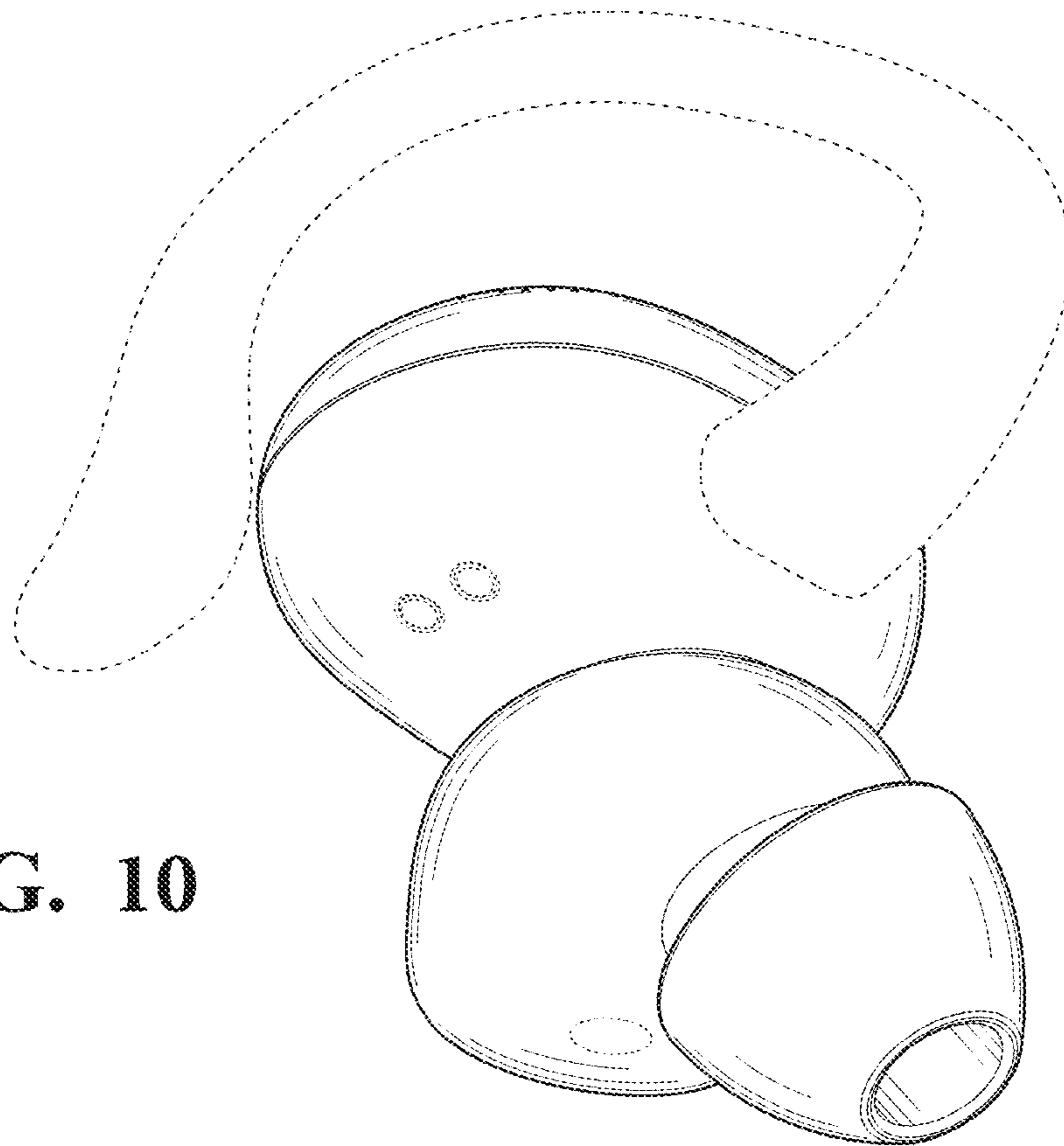
**FIG. 7**



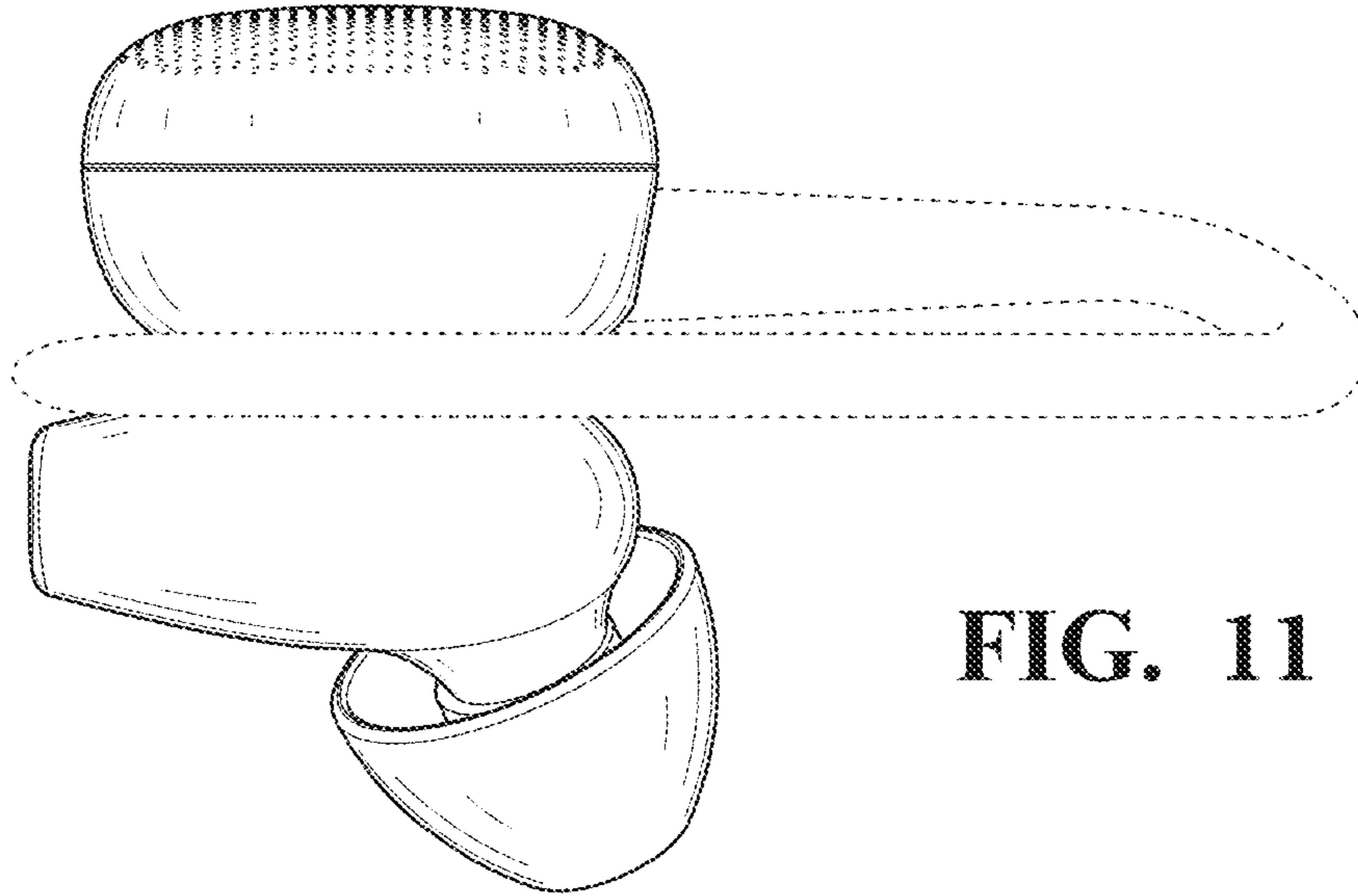
**FIG. 8**



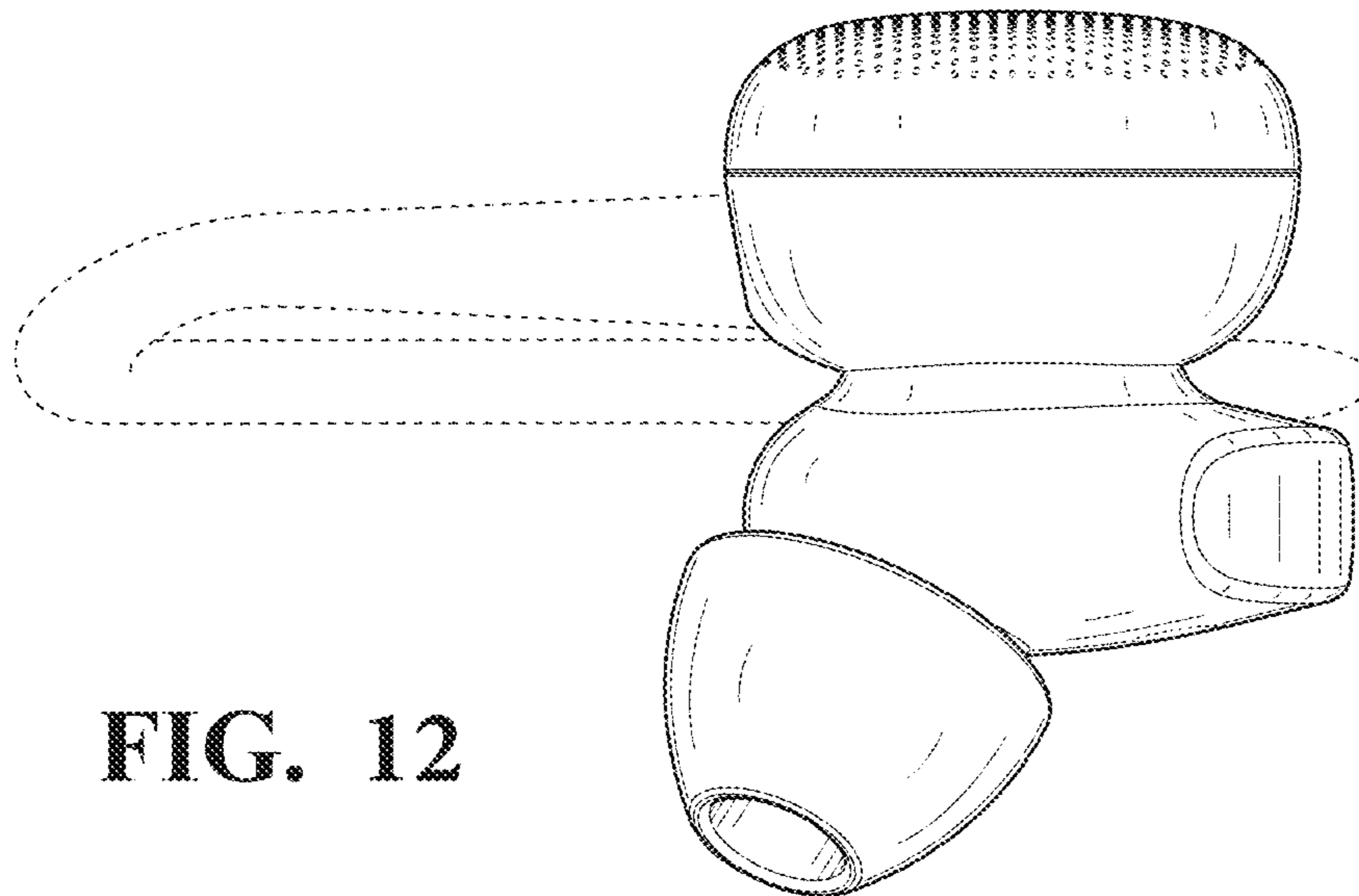
**FIG. 9**



**FIG. 10**

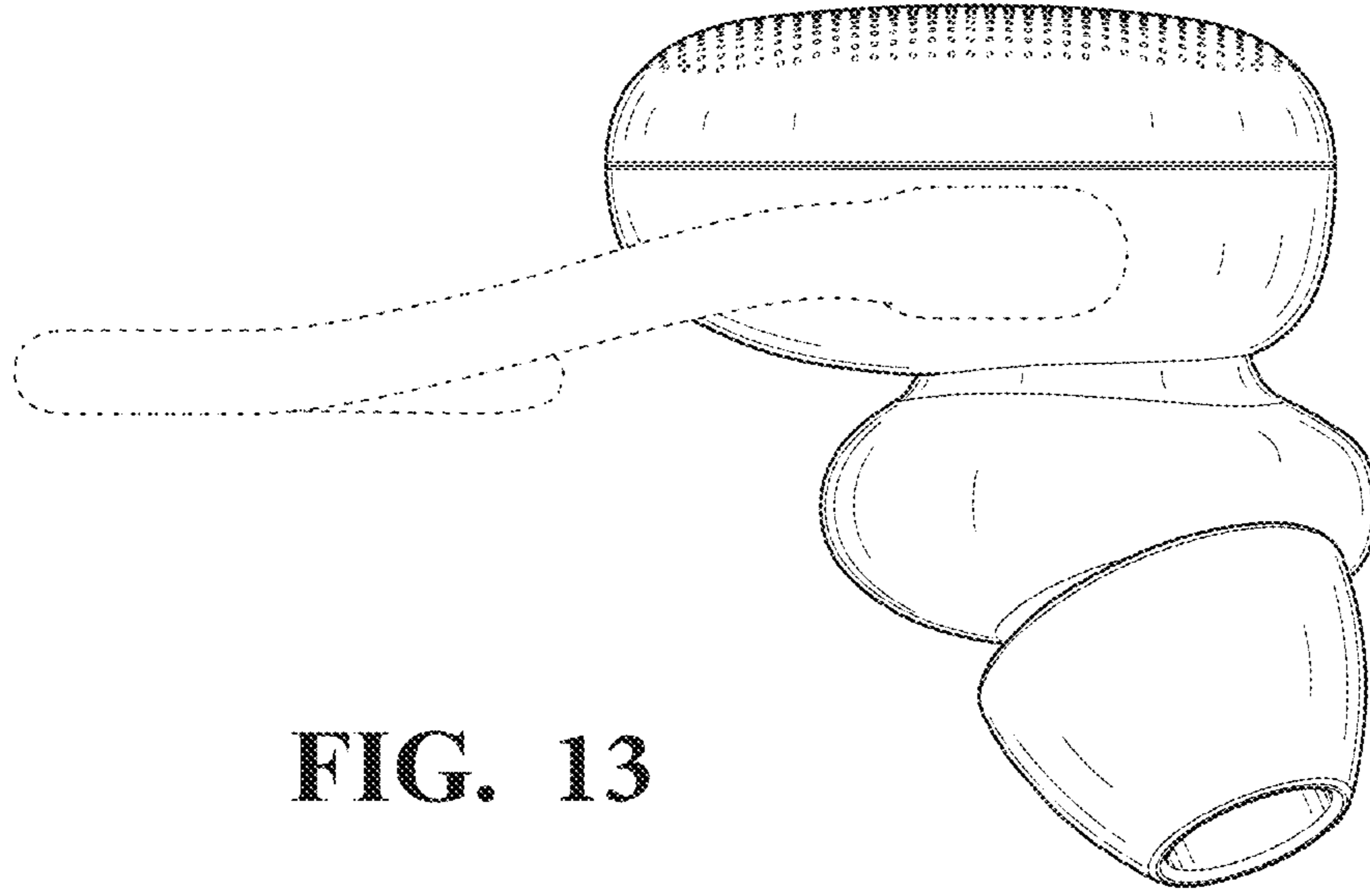


**FIG. 11**

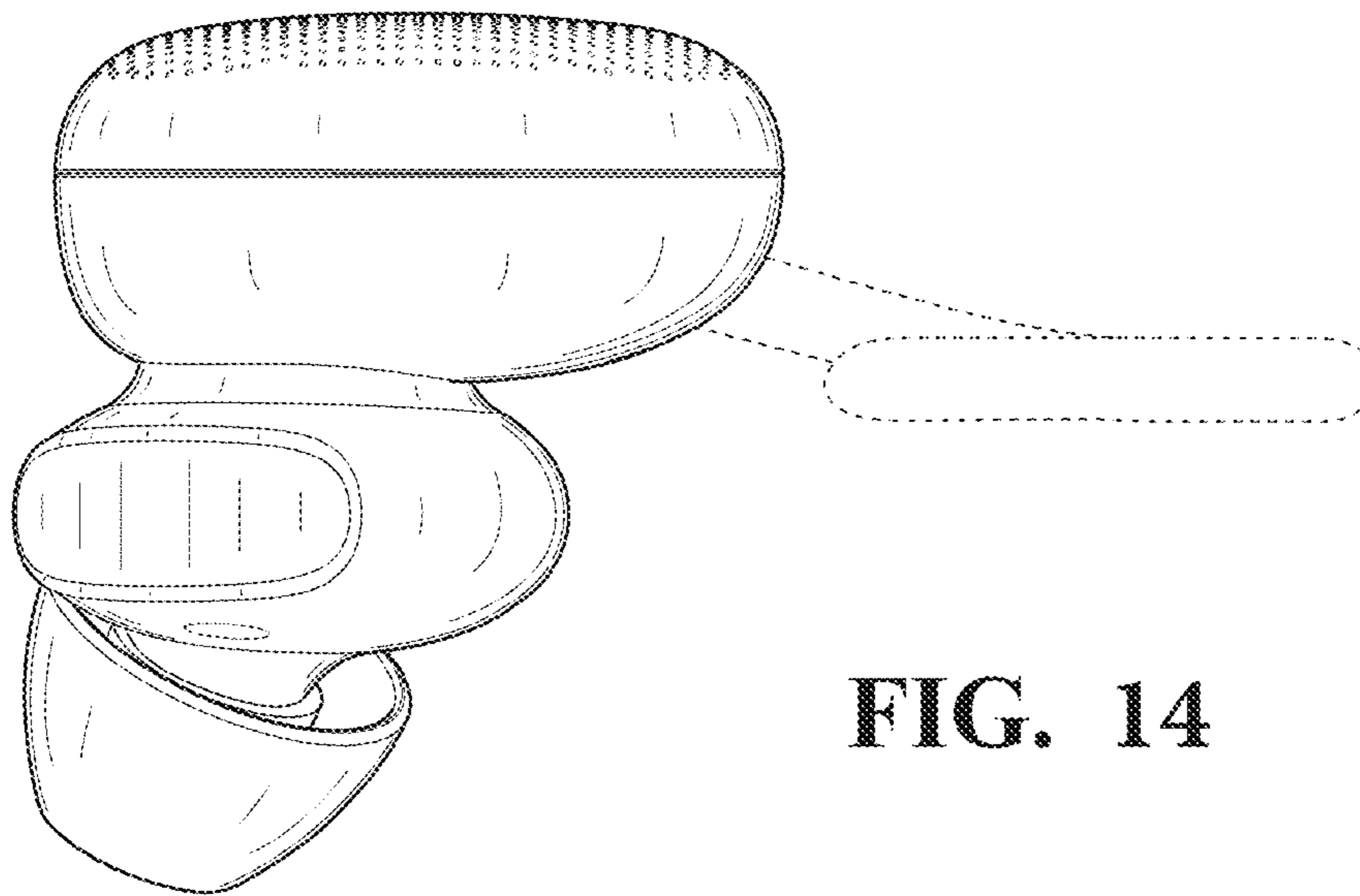


**FIG. 12**





**FIG. 13**



**FIG. 14**

