



US00D822008S

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

(10) **Patent No.:** **US D822,008 S**  
(45) **Date of Patent:** **\*\* Jul. 3, 2018**

- (54) **EARPHONE**
- (71) Applicant: **AUDIO-TECHNICA CORPORATION, Tokyo (JP)**
- (72) Inventors: **Kodai Tsubone, Tokyo (JP); Shohei Araki, Kanagawa (JP)**
- (73) Assignee: **AUDIO-TECHNICA CORPORATION, Tokyo (JP)**
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/596,696**
- (22) Filed: **Mar. 10, 2017**
- (30) **Foreign Application Priority Data**  
  - Sep. 13, 2016 (JP) ..... 2016-019808
- (51) **LOC (11) Cl.** ..... **14-01**
- (52) **U.S. Cl.**  
USPC ..... **D14/223**
- (58) **Field of Classification Search**  
  - USPC ..... D14/223, 205, 218; D24/174; D13/168; 128/864; 181/129, 130, 135; 379/430, 379/431; 381/380, 381, 74, 330, 378, 381/328, 322; 455/90.3, 569.1, 575.1; D1/102, 125, 127, 122; 249/91, 92, 97; 426/76, 101, 540
  - CPC ..... H04R 1/10; H04R 1/1075; H04R 1/24; H04R 1/1016; H04R 25/02; H04R 25/00; H04R 11/02; H04R 1/1008; H04R 5/033; H04R 5/0335

See application file for complete search history.

- (56) **References Cited**  
  - U.S. PATENT DOCUMENTS
  - D106,823 S \* 11/1937 Sears ..... D24/174
  - D127,460 S \* 5/1941 McCall ..... D1/127

- 2,248,837 A \* 7/1941 Walters ..... H04R 25/652  
181/130
- 3,061,689 A \* 10/1962 McCarrell ..... H04R 25/45  
381/328
- 3,209,082 A \* 9/1965 McCarrell ..... H04R 25/02  
381/328
- 3,270,146 A \* 8/1966 Eberhard ..... H04R 25/60  
338/308
- D206,665 S \* 1/1967 Sanzone ..... D24/174
- D207,209 S \* 3/1967 Geib ..... 381/312
- D207,222 S \* 3/1967 Geib ..... 381/312
- D212,542 S \* 10/1968 McCarthy ..... D1/199
- D213,109 S \* 1/1969 Young ..... D24/174
- 3,440,365 A \* 4/1969 Hazell ..... H04M 1/05  
379/430
- D251,234 S \* 3/1979 Hakansson ..... D10/46
- D266,271 S \* 9/1982 Johanson ..... D24/174
- D273,707 S \* 5/1984 McCall ..... 381/328

(Continued)

*Primary Examiner* — Paula Allen Greene  
(74) *Attorney, Agent, or Firm* — Whitham, Curtis & Cook, P.C.

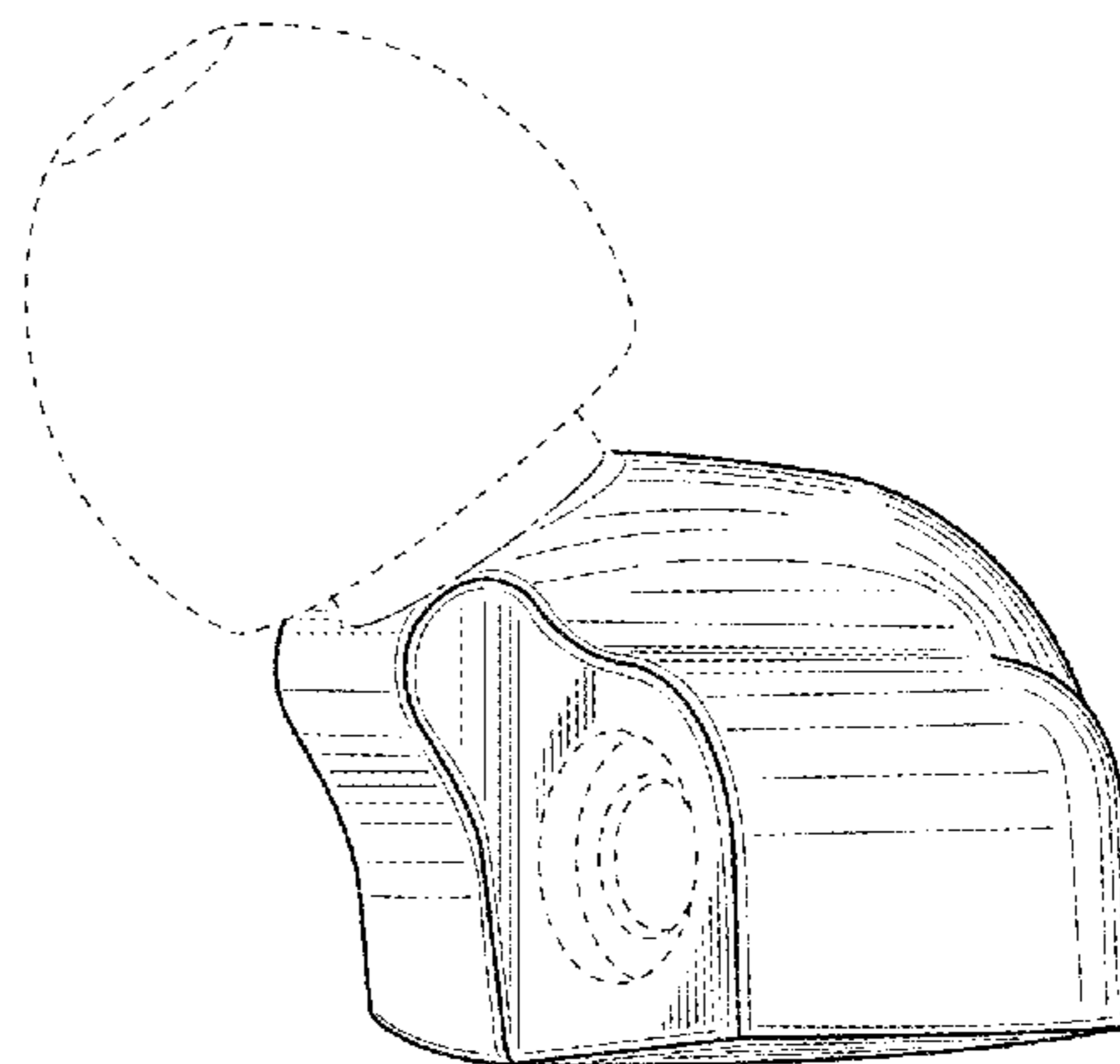
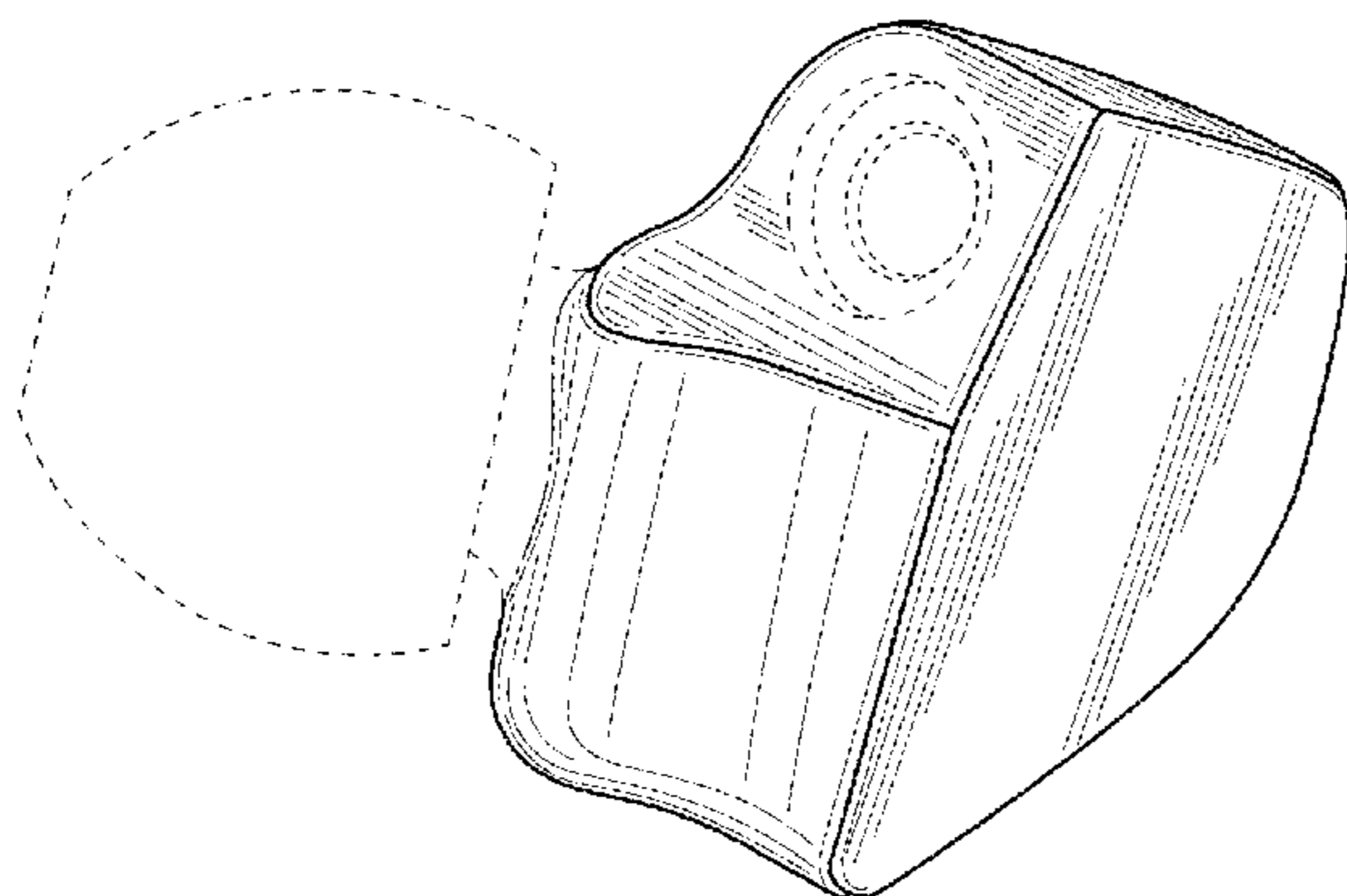
(57) **CLAIM**

We claim the ornamental design for an earphone, as shown and described.

**DESCRIPTION**

FIG. 1 is a front side perspective view of an earphone; FIG. 2 is a rear side perspective view of the earphone; FIG. 3 is a front elevational view of the earphone; FIG. 4 is a rear elevational view of the earphone; FIG. 5 is a top plan view of the earphone; FIG. 6 is a bottom plan view of the earphone; FIG. 7 is a left side elevational view of the earphone; and, FIG. 8 is a right side elevational view of the earphone. Portions of the drawings shown in broken lines form no part of the claimed design. The dot dash line represents a boundary of the claim and forms no part thereof.

**1 Claim, 8 Drawing Sheets**



(56)

References Cited

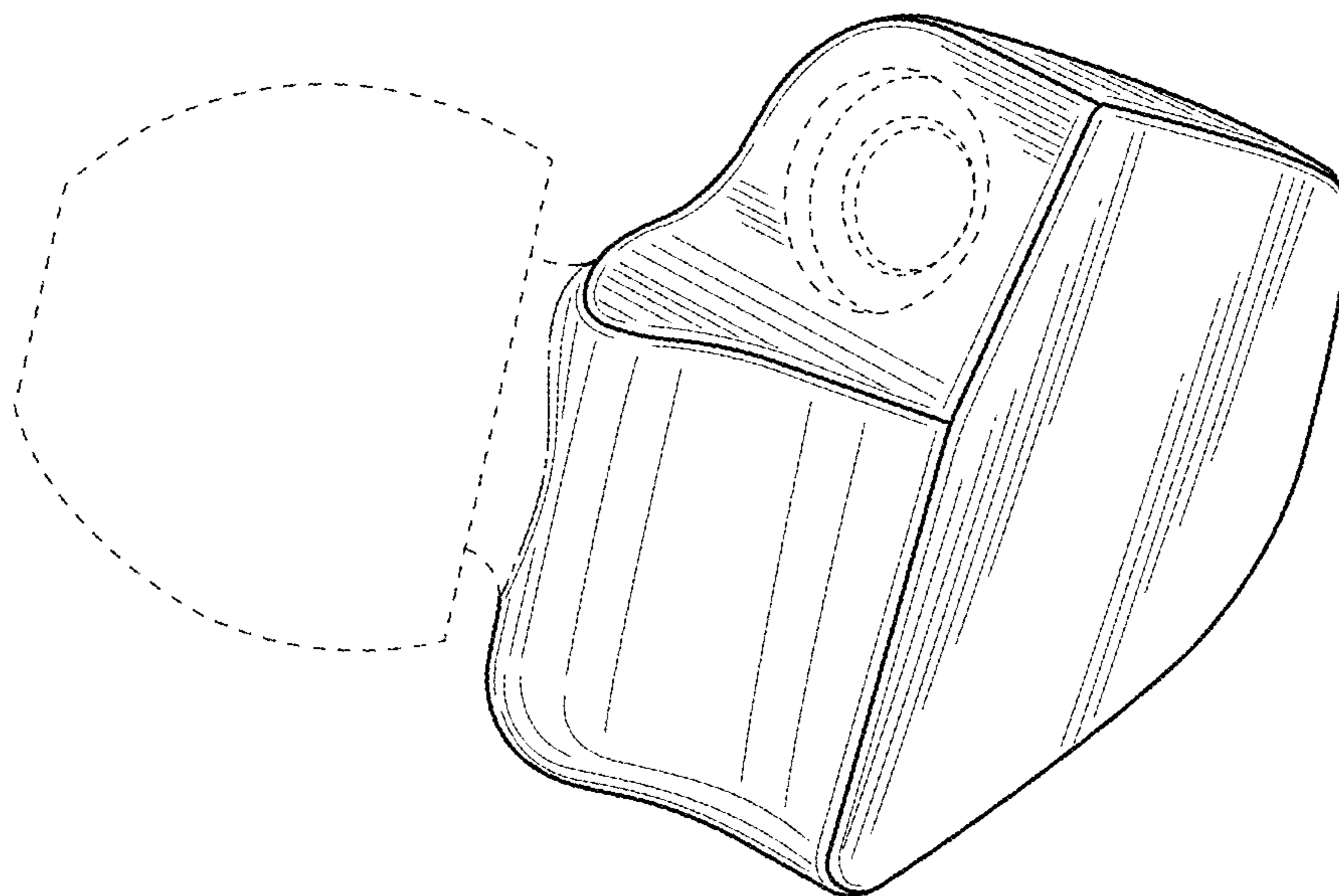
U.S. PATENT DOCUMENTS

4,783,822 A \* 11/1988 Toole ..... H04M 1/05  
2/209  
D338,530 S \* 8/1993 Oberlander ..... D24/174  
D367,113 S \* 2/1996 Weeks ..... D24/174  
D371,133 S \* 6/1996 Andrea ..... D14/206  
5,659,156 A \* 8/1997 Mauney ..... H04R 1/1016  
181/130  
D457,514 S \* 5/2002 Marion ..... D14/223  
6,386,314 B1 \* 5/2002 Sheehan ..... A61B 5/12  
181/129  
6,445,805 B1 \* 9/2002 Grugel ..... H04R 5/0335  
181/129  
D468,301 S \* 1/2003 Fushimi ..... D14/223  
6,902,029 B2 \* 6/2005 Weise ..... A42B 3/166  
128/867  
D510,337 S \* 10/2005 Tages ..... D14/205  
D516,541 S \* 3/2006 Bhavnani ..... D14/192  
D529,612 S \* 10/2006 Feeley ..... D24/174  
D566,099 S \* 4/2008 Komiyama ..... D14/206  
D574,814 S \* 8/2008 Hammond ..... D14/205  
D593,076 S \* 5/2009 Kung ..... D14/223  
D597,084 S \* 7/2009 Gondo ..... D14/223  
D603,379 S \* 11/2009 Harbeke ..... D14/223  
D608,449 S \* 1/2010 Cano, Jr. .... D24/174  
D618,672 S \* 6/2010 Harbeke ..... D14/223  
D631,470 S \* 1/2011 Yoneyama ..... D14/223  
D632,677 S \* 2/2011 Brown ..... D14/223  
D635,547 S \* 4/2011 Komiyama ..... D14/205  
D635,558 S \* 4/2011 Zheng ..... D14/206  
D637,998 S \* 5/2011 Brunner ..... D14/205  
D641,010 S \* 7/2011 Kwon ..... D14/223  
D652,822 S \* 1/2012 Lee ..... D14/223  
D655,417 S \* 3/2012 Naumann ..... D24/174

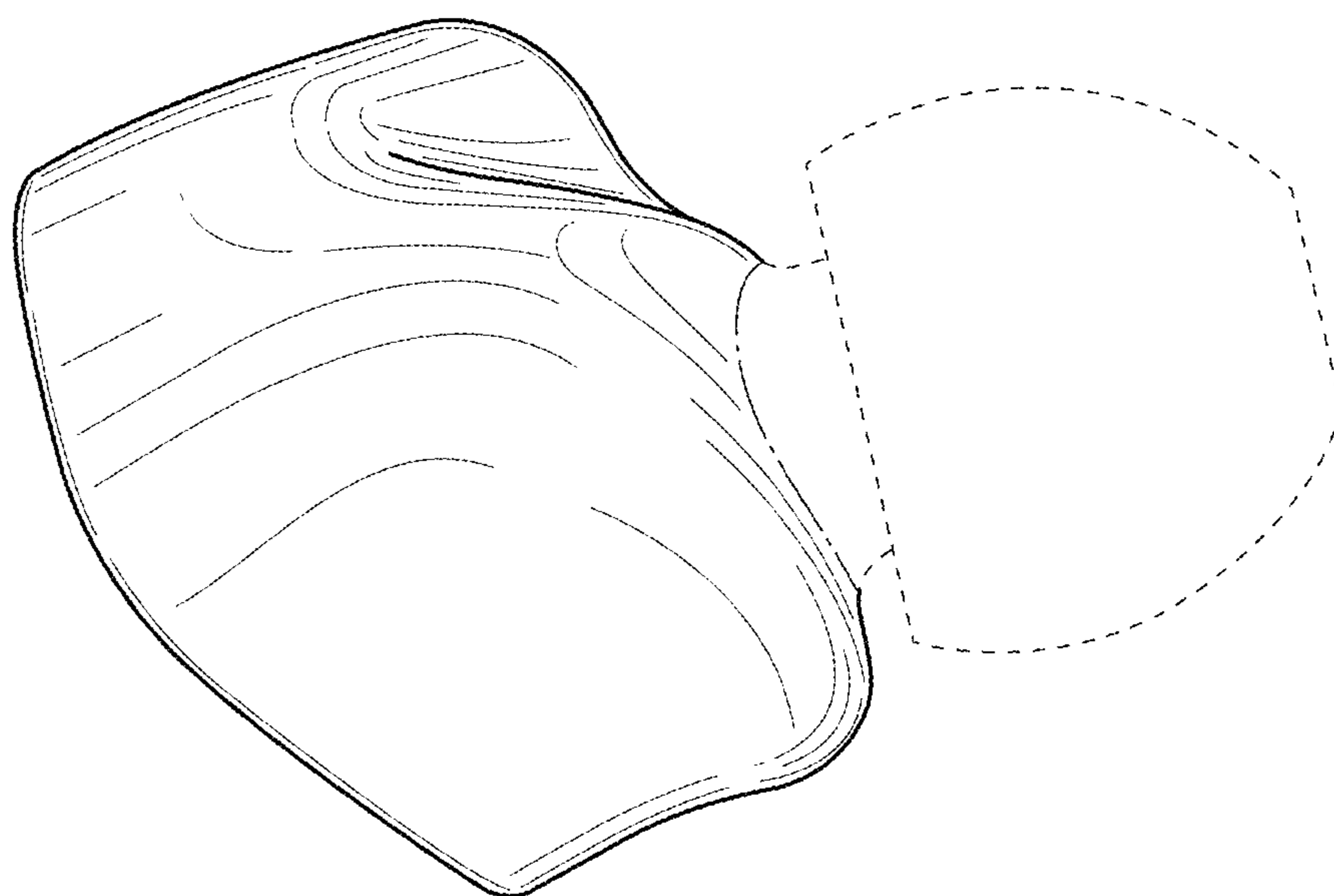
D658,157 S \* 4/2012 McManigal ..... D14/205  
D660,292 S \* 5/2012 Rautiainen ..... D14/223  
D660,826 S \* 5/2012 Brunner ..... D14/223  
D662,086 S \* 6/2012 Komiyama ..... D14/223  
D666,581 S \* 9/2012 Perez ..... D14/223  
D668,244 S \* 10/2012 Matsumura ..... D14/223  
D673,532 S \* 1/2013 Lee ..... D14/223  
D676,026 S \* 2/2013 Lee ..... D14/223  
D685,351 S \* 7/2013 Morimoto ..... D14/223  
D685,770 S \* 7/2013 Lee ..... D14/223  
D700,905 S \* 3/2014 Pavitsich ..... D14/223  
D701,196 S \* 3/2014 Kelly ..... D14/223  
D711,858 S \* 8/2014 Yang ..... D14/223  
D735,169 S \* 7/2015 Shieh ..... D14/223  
D737,251 S \* 8/2015 Thompson ..... D14/223  
D739,851 S \* 9/2015 Donohue, II ..... D14/223  
D745,862 S \* 12/2015 Otani ..... D14/223  
D764,445 S \* 8/2016 Czaniecki ..... D14/223  
D780,714 S \* 3/2017 Vogt, Jr. .... D14/205  
D782,442 S \* 3/2017 Chen ..... D14/205  
D797,079 S \* 9/2017 Houle ..... D14/223  
D808,360 S \* 1/2018 Arimoto ..... D14/205  
D810,053 S \* 2/2018 Otani ..... D14/223  
2003/0002700 A1 \* 1/2003 Fretz ..... H04R 25/65  
381/330  
2006/0251280 A1 \* 11/2006 Fennell ..... H04R 25/65  
381/328  
2007/0230735 A1 \* 10/2007 Sung ..... H04R 1/1058  
381/374  
2009/0304220 A1 \* 12/2009 Fujikura ..... H04R 1/1091  
381/380  
2010/0166208 A1 \* 7/2010 Kato ..... H04R 1/1033  
381/74  
2011/0155147 A1 \* 6/2011 McIntosh ..... A61F 11/08  
128/864  
2018/0035193 A1 \* 2/2018 Tsubone ..... H04R 1/1016

\* cited by examiner

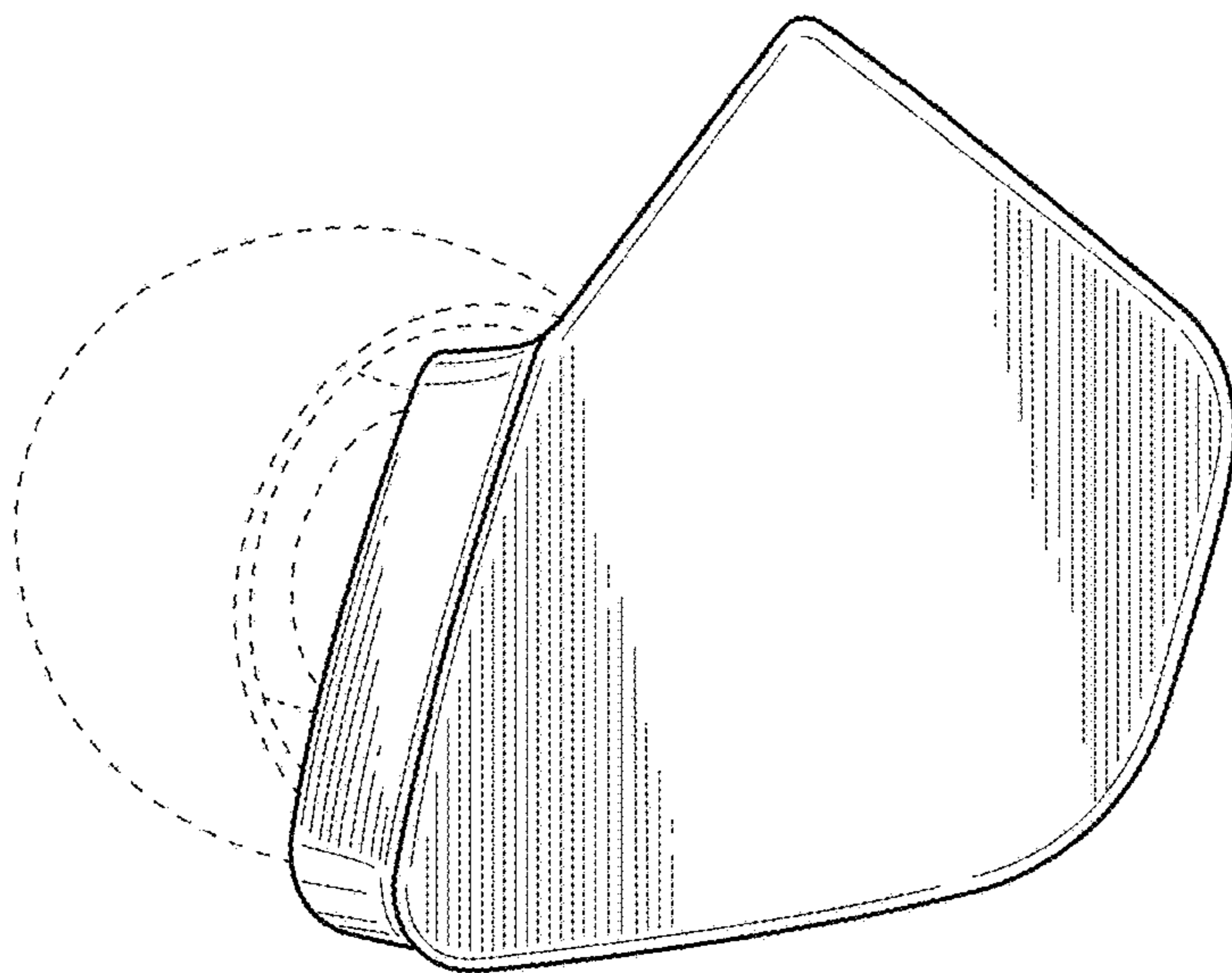
***FIG. 1***



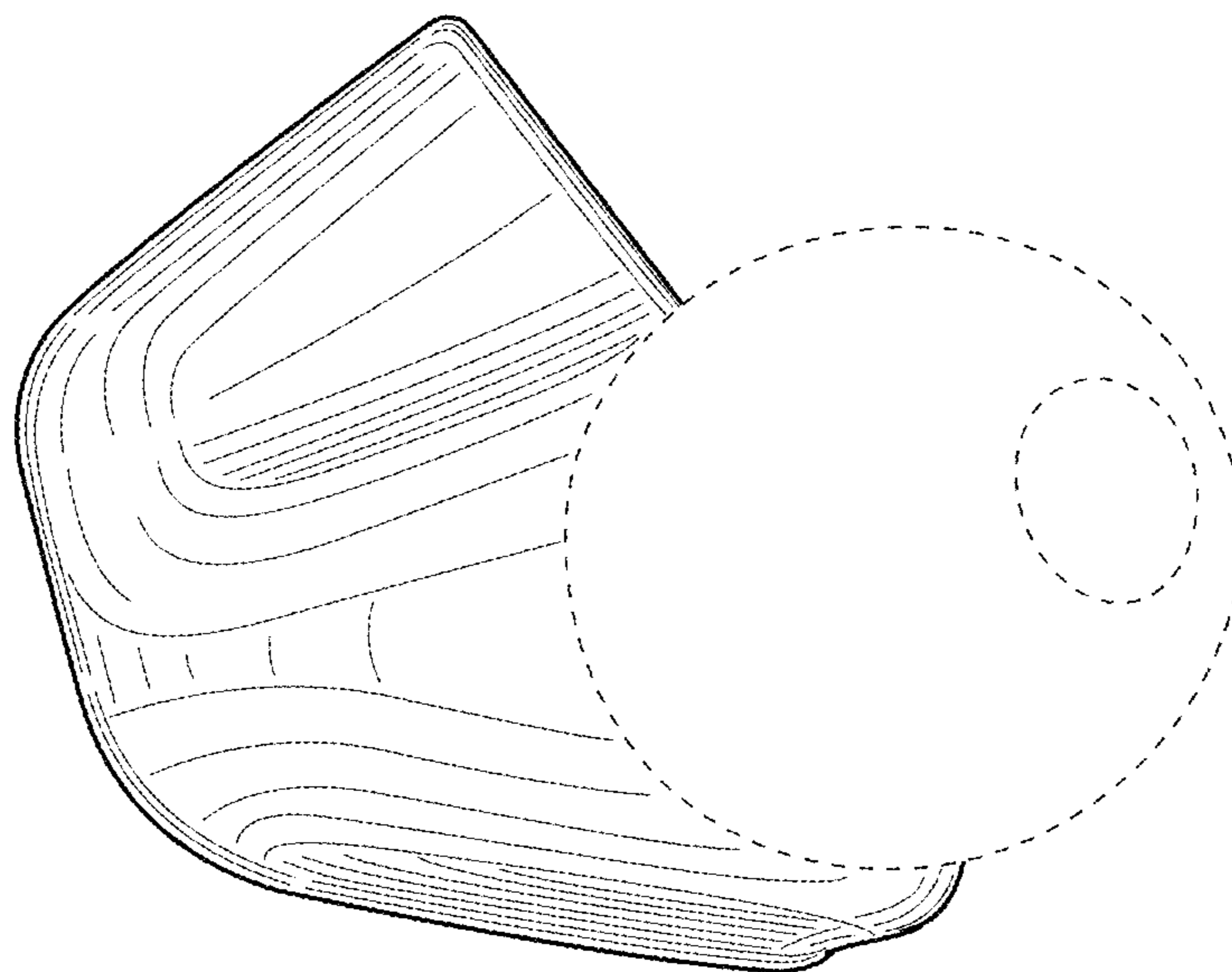
***FIG. 2***



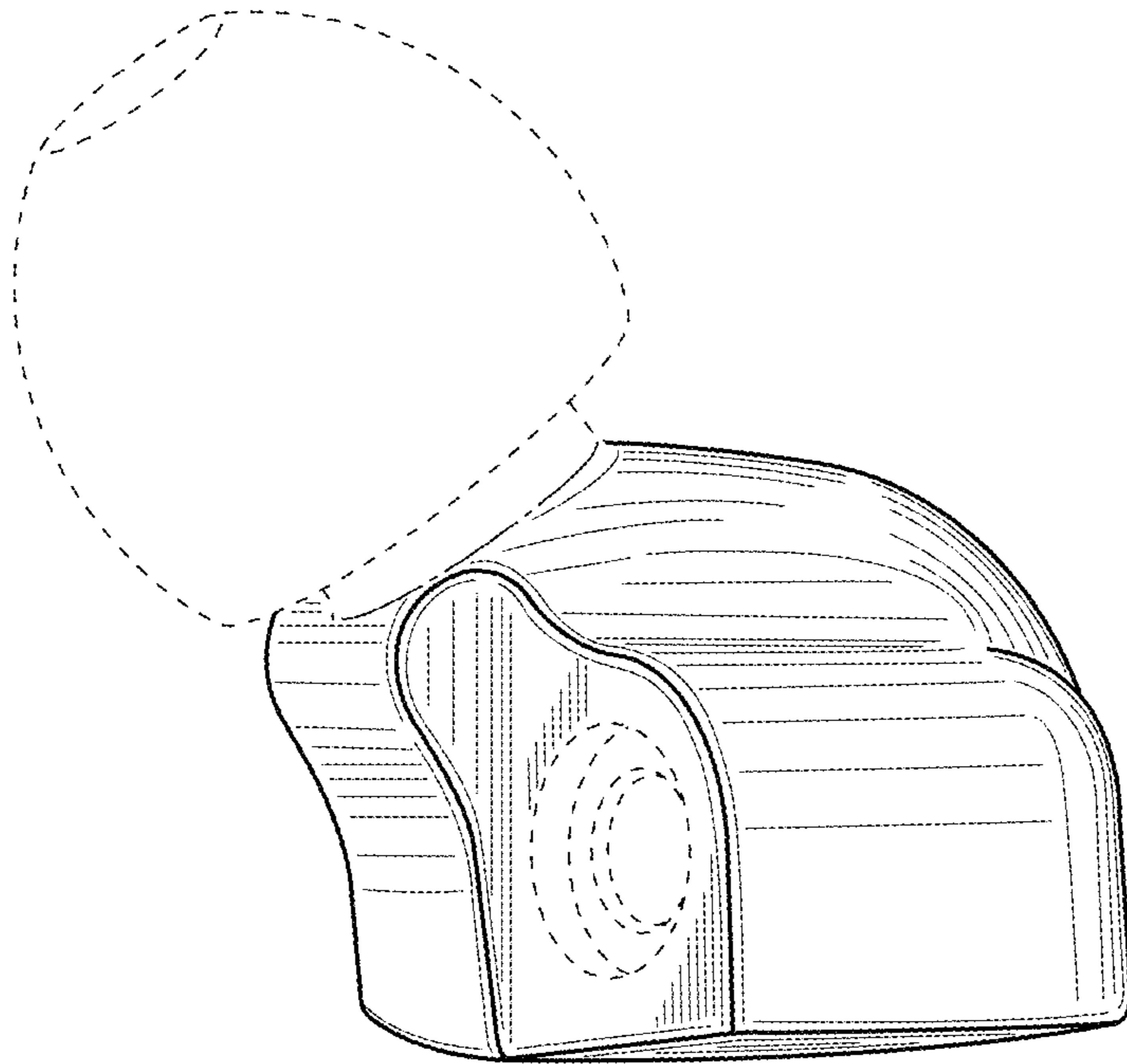
**FIG. 3**



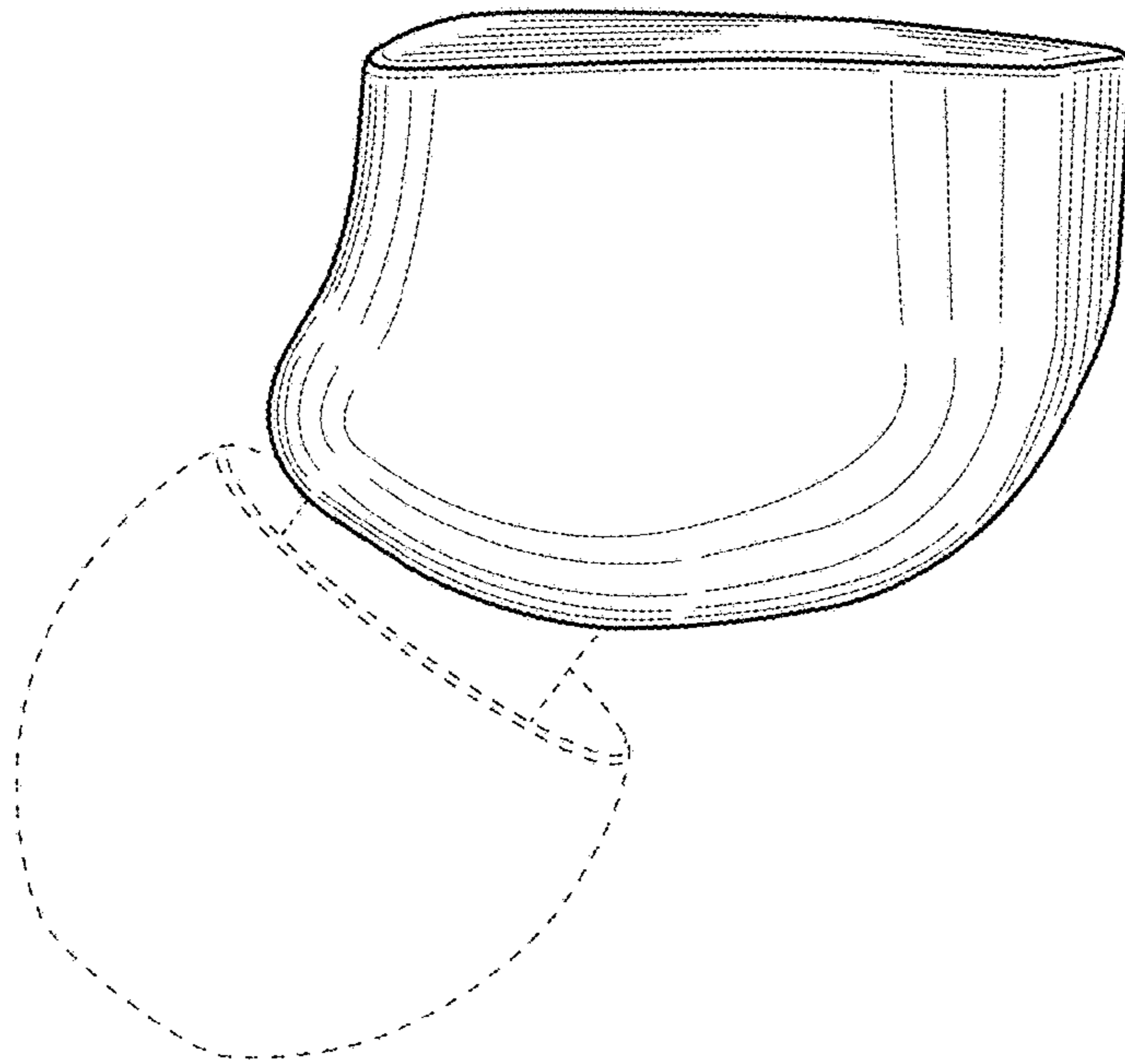
**FIG. 4**



**FIG. 5**

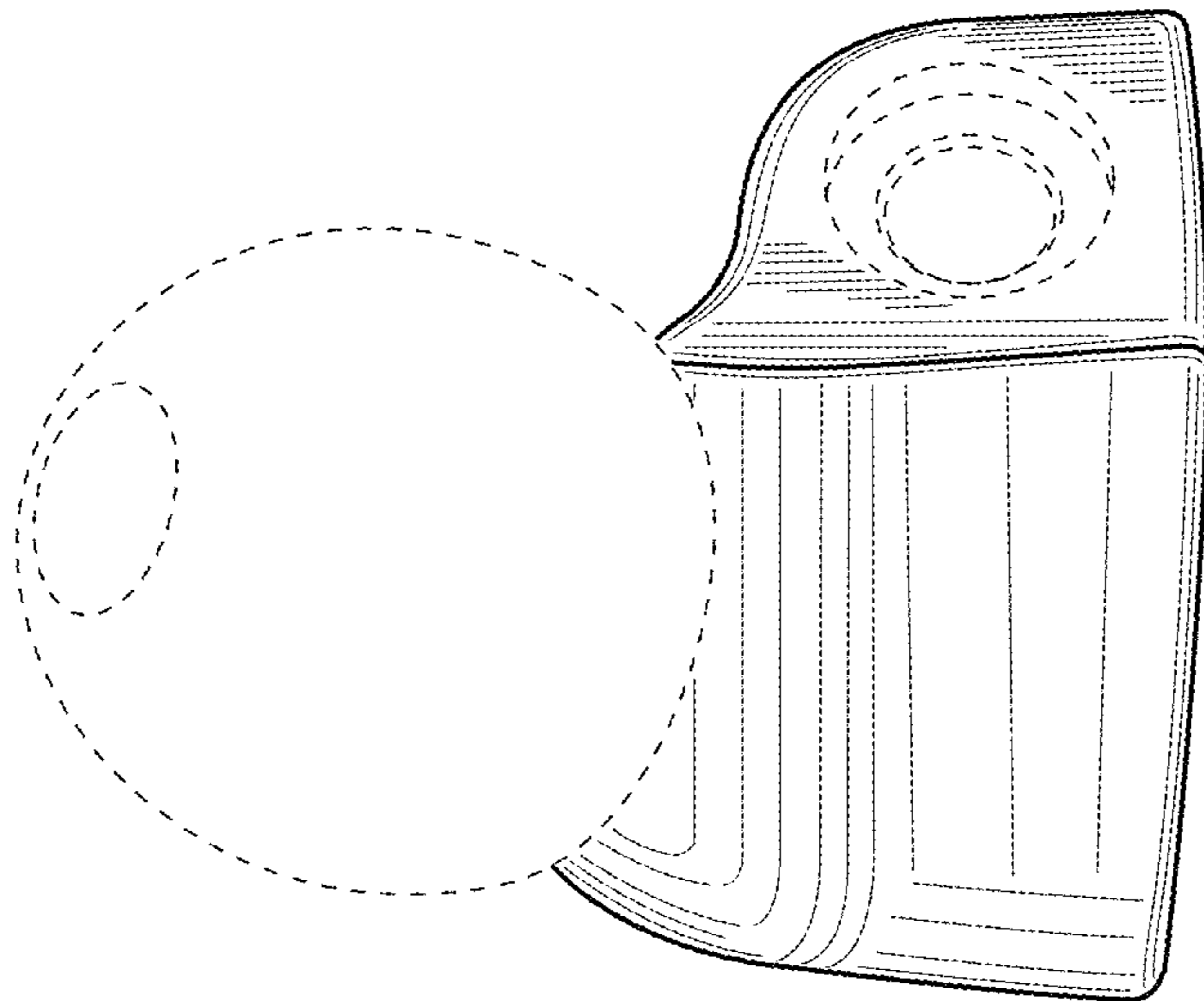


**FIG. 6**





**FIG. 7**



***FIG. 8***

