



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

(10) **Patent No.:** **US D920,289 S**
(45) **Date of Patent:** **** *May 25, 2021**

(54) **EARBUD**
(71) Applicant: **Bose Corporation**, Framingham, MA (US)
(72) Inventors: **Nathan David Schaal**, Cambridge, MA (US); **Ethan Frances Norton**, Middleboro, MA (US); **Natalie Zucker**, Allston, MA (US); **Daniel Francis Tonderys**, Cambridge, MA (US); **Robert A. Warden**, Southborough, MA (US)

D272,946 S * 3/1984 Scanlon D24/106
D407,985 S * 4/1999 Pimentel D10/104.2
D469,755 S * 2/2003 Hlas D14/223
D529,901 S * 10/2006 Ohta D14/223
D543,972 S * 6/2007 Taylor D14/223
D554,627 S * 11/2007 Gondo D14/223
D559,837 S * 1/2008 Nakano D14/223
D574,814 S * 8/2008 Hammond D14/205
7,949,127 B2 * 5/2011 Pedersen H04R 1/1066
379/430
D641,737 S 7/2011 Krauss et al.
D645,458 S * 9/2011 Silvestri H04R 1/1016
D14/223

(Continued)

(73) Assignee: **Bose Corporation**, Framingham, MA (US)
(*) Notice: This patent is subject to a terminal disclaimer.

FOREIGN PATENT DOCUMENTS

CA 178012 * 10/2018
CN 306071449 * 9/2019

(Continued)

(**) Term: **15 Years**
(21) Appl. No.: **29/704,791**

Primary Examiner — Paula Allen Greene
(74) *Attorney, Agent, or Firm* — Bose Corporation

(22) Filed: **Sep. 6, 2019**
(51) **LOC (13) Cl.** **14-01**
(52) **U.S. Cl.**
USPC **D14/223**
(58) **Field of Classification Search**
USPC D14/223, 205; D24/174; 128/864, 865,
128/866; 381/380, 381, 328; 455/90.3,
455/575.1, 569.1
CPC H04R 1/1016; H04R 1/1066; H04R 1/10;
H04R 25/00; H04R 25/02; H04R 1/105;
H04R 1/1091
See application file for complete search history.

(57) **CLAIM**

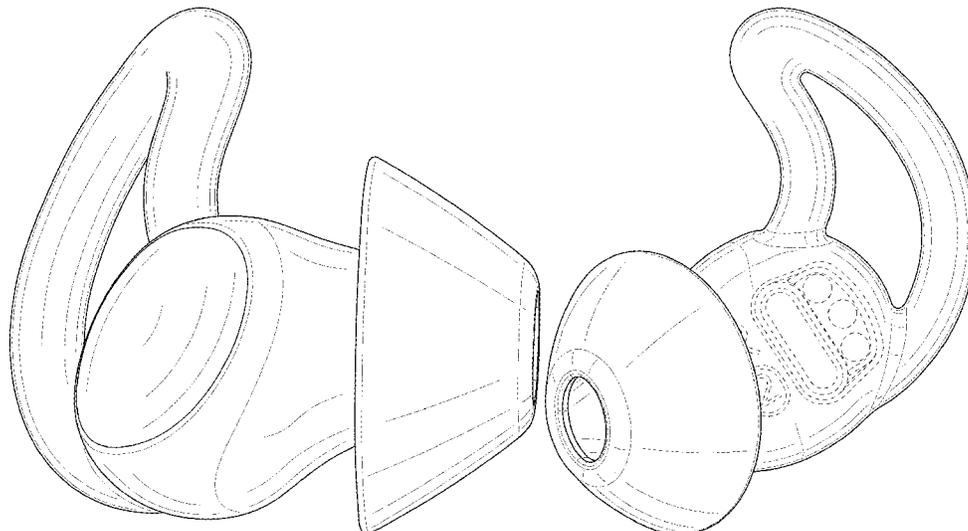
The ornamental design for an earbud, substantially as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an earbud as seen from the left side and front, "left" being from the observer's point of view, and "front" being towards the observer, the opposite earbud is a mirror image;
FIG. 2 is front view thereof;
FIG. 3 is a right side view thereof;
FIG. 4 is a back view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a top end view thereof; and,
FIG. 7 is a bottom end view thereof.
The dotted line portions of the drawings represent environmental structure only and do not form part of the claimed design.

(56) **References Cited**
U.S. PATENT DOCUMENTS
D173,053 S * 9/1954 Norris D2/816
4,168,697 A * 9/1979 Cantekin A61F 11/002
128/867

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D654,172 S * 2/2012 Naumann D24/174
 D655,693 S * 3/2012 Silvestri D14/223
 8,311,253 B2 * 11/2012 Silvestri H04R 1/105
 381/328
 D685,761 S * 7/2013 Fletcher D14/205
 D687,410 S * 8/2013 Fletcher D14/205
 D694,220 S 11/2013 Lee et al.
 D705,757 S * 5/2014 Yashiro H04R 1/10
 D14/223
 8,737,669 B2 * 5/2014 Monahan H04R 1/1058
 381/380
 D740,255 S 10/2015 Samrelius
 D744,456 S 12/2015 Pedersen
 D763,224 S 8/2016 Silvestri et al.
 D764,436 S * 8/2016 Dryden D14/205
 D770,426 S 11/2016 LaBerge et al.
 D773,437 S * 12/2016 Lee D14/223
 D773,439 S 12/2016 Walker
 D777,148 S 1/2017 Samrelius
 D779,461 S 2/2017 Smith et al.
 D780,157 S 2/2017 Uggla
 D786,216 S 5/2017 Silva et al.
 D786,834 S 5/2017 Samrelius
 D788,079 S * 5/2017 Son D14/223
 D795,225 S * 8/2017 Sumii D14/223
 D796,473 S * 9/2017 Kim D14/205
 D806,879 S 1/2018 Horbinski et al.
 D814,443 S 4/2018 Sandanger
 D816,637 S * 5/2018 Hardi D14/205
 D822,646 S * 7/2018 Dang D14/223

D828,825 S * 9/2018 Samrelius D14/223
 D828,826 S * 9/2018 Schaal D14/223
 D835,077 S * 12/2018 Aoyagi D14/223
 D843,352 S * 3/2019 Lee D14/223
 D847,116 S * 4/2019 Silva D14/205
 D863,261 S * 10/2019 Zhu D14/223
 D864,919 S * 10/2019 Bonahoom D14/223
 D870,708 S * 12/2019 Lindenberger D14/223
 D872,061 S * 1/2020 Cui D14/223
 10,531,174 B2 * 1/2020 Prevoir C08K 5/09
 10,536,764 B2 * 1/2020 Beaudoin H04R 25/654
 D875,719 S * 2/2020 Wen D14/223
 D876,399 S * 2/2020 Duddy D14/223
 D894,874 S * 9/2020 Fustino D14/223
 D897,995 S * 10/2020 Duddy D14/223
 2009/0141923 A1 * 6/2009 Smith H04R 1/1016
 381/371
 2014/0205125 A1 * 7/2014 Triato H04R 1/1066
 381/330
 2019/0239772 A1 * 8/2019 Grace A61B 5/0816
 2020/0204896 A1 * 6/2020 Hanson H04R 1/1066
 2020/0228890 A1 * 7/2020 Han H04R 1/1008
 2020/0280788 A1 * 9/2020 Maguire H04R 1/1016

FOREIGN PATENT DOCUMENTS

EM 004496875-0001 * 11/2017
 EM 007729173-0001 * 9/2019
 IN 299068-0001 * 11/2017
 KR 300959639.0000 * 6/2018
 TW D186605 11/2017

* cited by examiner

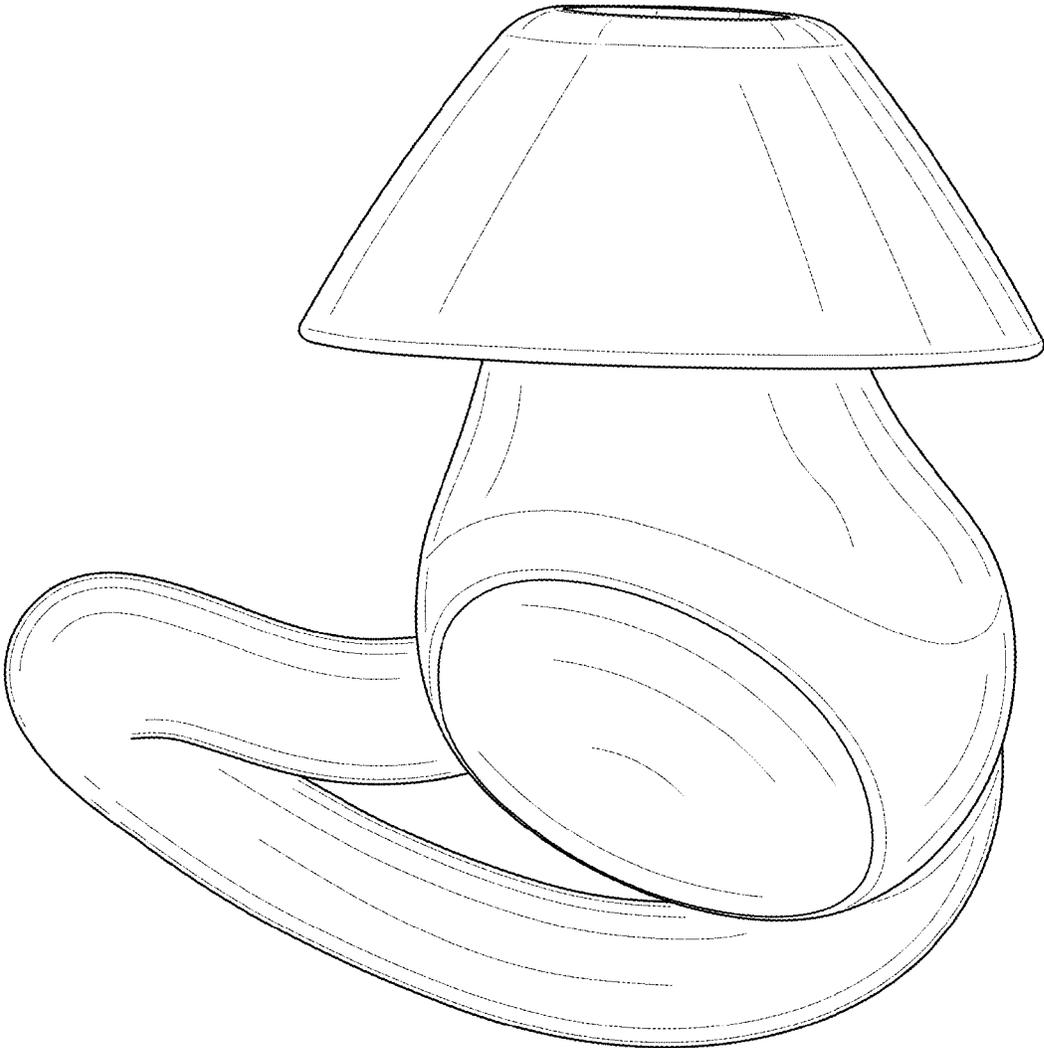


FIG. 1

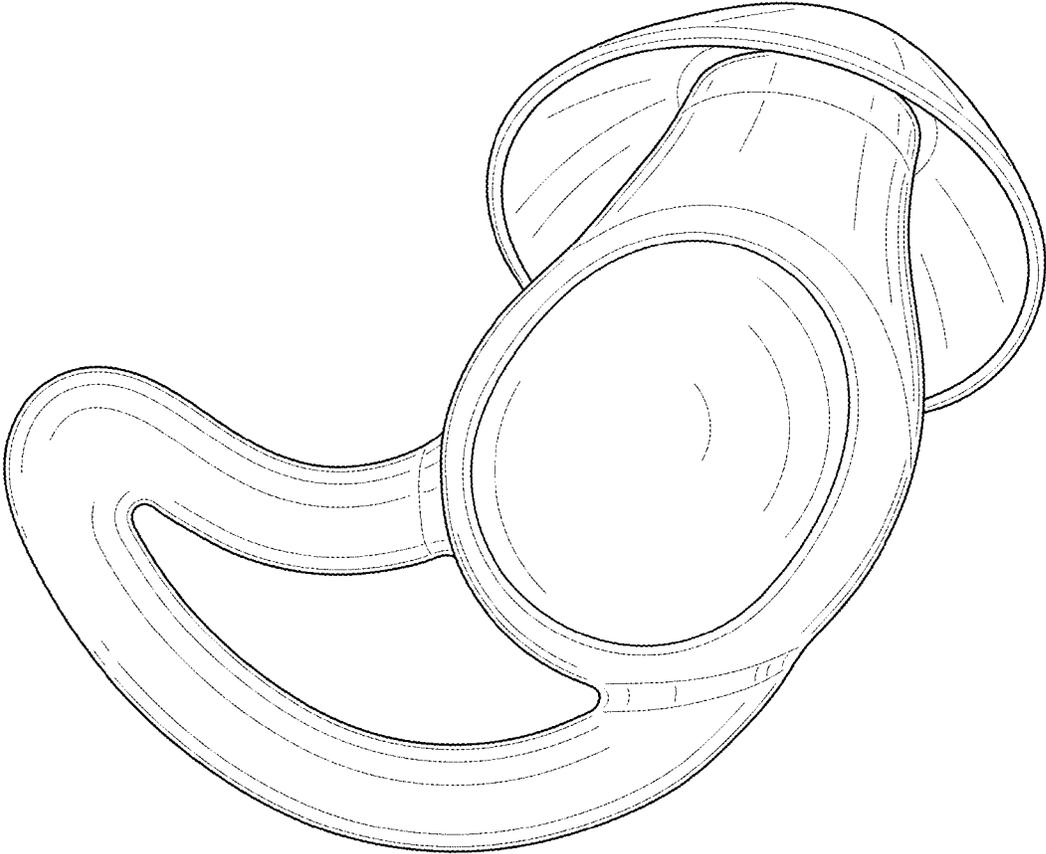


FIG. 2

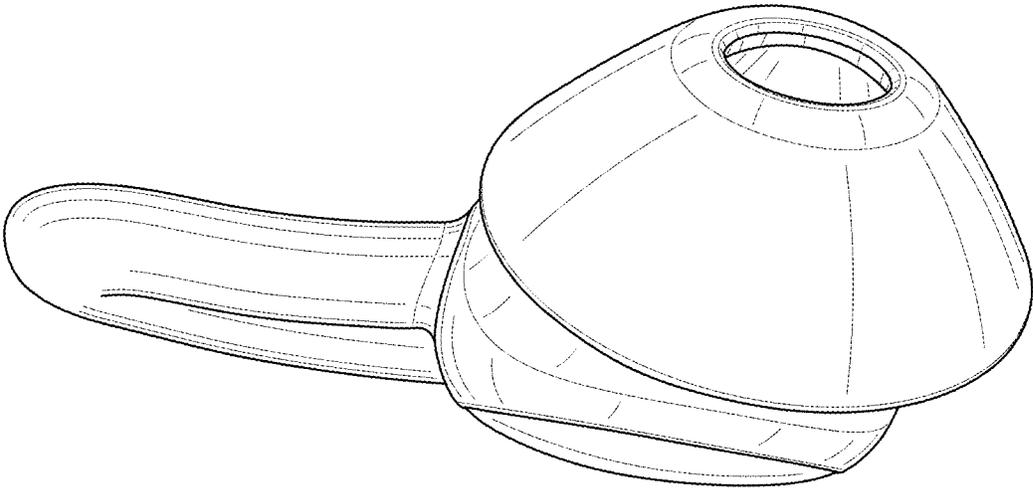


FIG. 3

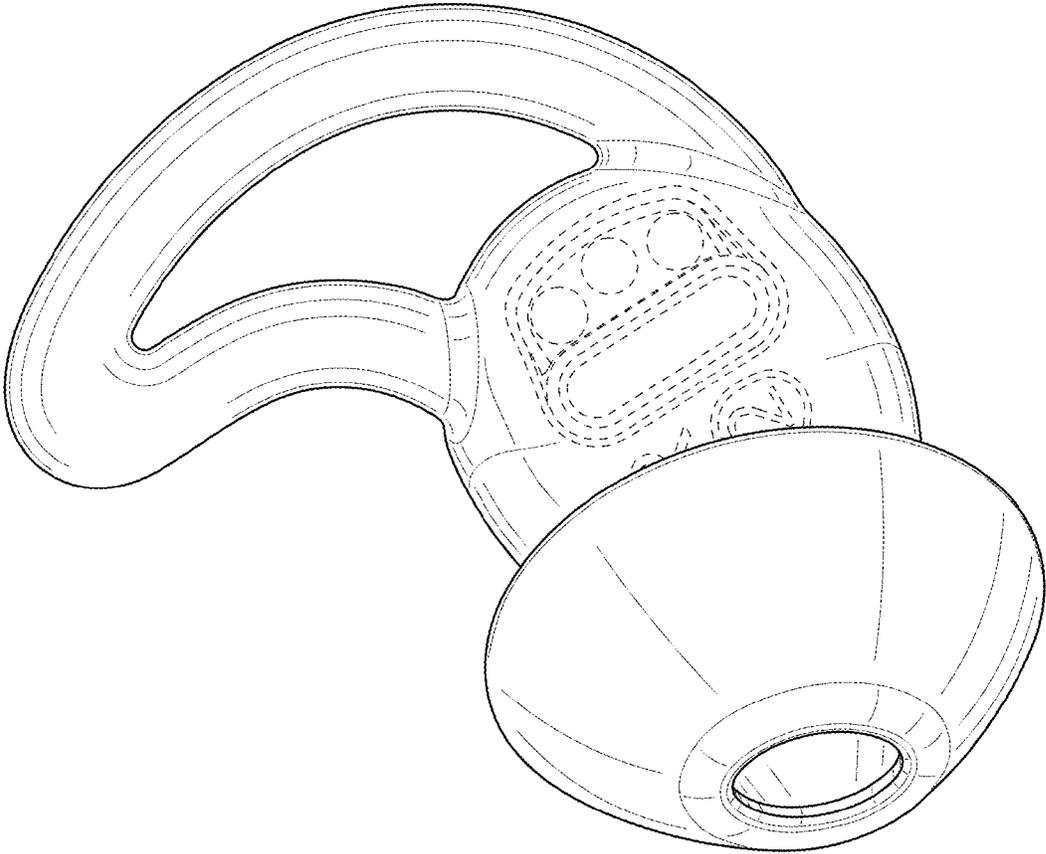


FIG. 4

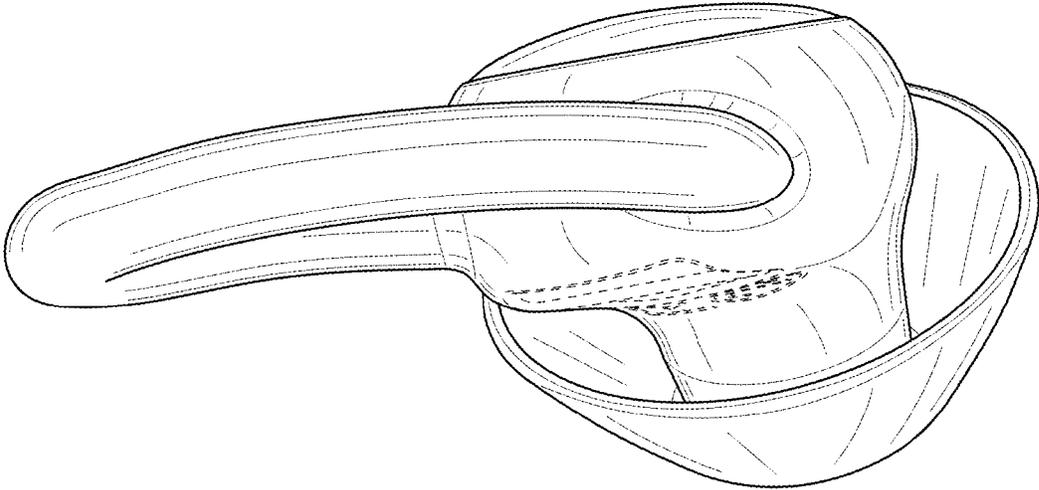


FIG. 5

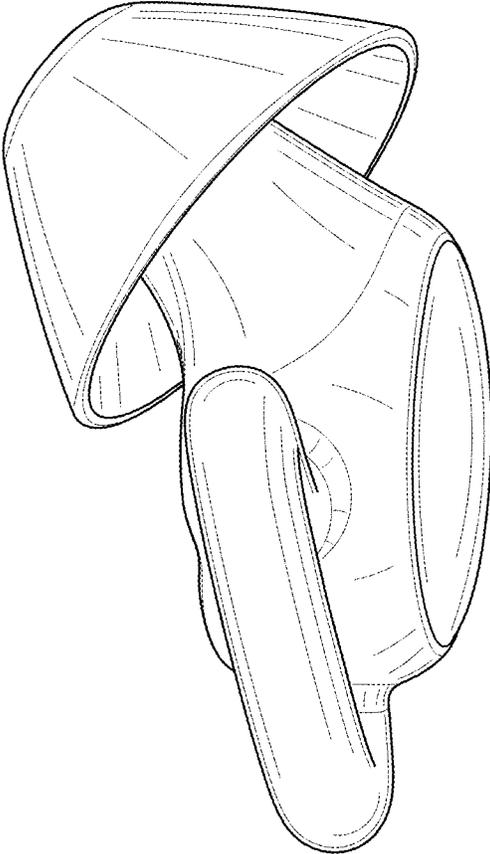


FIG. 6

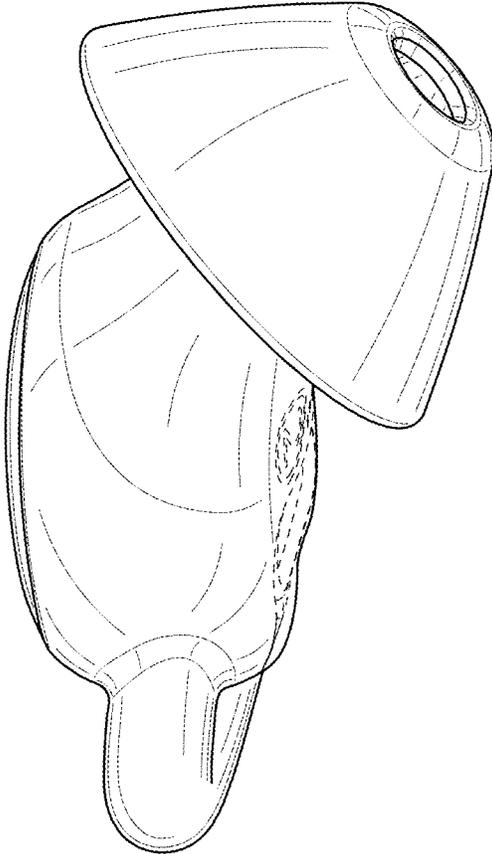


FIG. 7