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

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(45) **Date of Patent:** **\*\* May 21, 2019**

(54) **WIRELESS EARPHONE**

(71) Applicant: **LG ELECTRONICS INC.**, Seoul (KR)

(72) Inventors: **Jinki Min**, Seoul (KR); **Dongsoon Kim**, Seoul (KR); **Hyunchul Kim**, Seoul (KR); **Cheolwoong Shin**, Seoul (KR)

(73) Assignee: **LG ELECTRONICS INC.**, Seoul (KR)

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

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(30) **Foreign Application Priority Data**

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(52) **U.S. Cl.**  
USPC ..... **D14/223**

(58) **Field of Classification Search**

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D14/172; D24/173, 174, 106; D29/112;  
D23/223

CPC ..... H04R 25/00; H04R 25/02; H04R 1/10;  
H04R 2420/07; H04R 2430/01

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D179,150 S \* 11/1956 Norris ..... D14/192

D474,178 S \* 5/2003 Eroma ..... D14/205

D504,419 S \* 4/2005 Bey ..... D14/223

D506,462 S \* 6/2005 Han ..... D14/205

D510,085 S \* 9/2005 Suzuki ..... D14/223

D512,984 S \* 12/2005 Ham ..... D14/205

D541,787 S \* 5/2007 Ma ..... D14/205

D563,383 S \* 3/2008 Liang ..... D14/205

(Continued)

**FOREIGN PATENT DOCUMENTS**

WO D098399-001 \* 4/2018

**OTHER PUBLICATIONS**

Are bone conduction headphones good enough yet?, announced Oct. 24, 2016 [online], [retrieved Jan. 29, 2019]. Available from Internet, URL: <<https://www.theverge.com/2016/10/24/13383616/bone-conduction-headphones-best-pair-aftershokz>> (Year: 2016).\*

*Primary Examiner* — Barbara Fox

*Assistant Examiner* — Dana K Weiland

(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

(57) **CLAIM**

The ornamental design for a wireless earphone, as shown and described.

**DESCRIPTION**

1. Wireless earphone

1.1 : Perspective

1.2 : Front

1.3 : Back

1.4 : Left

1.5 : Right

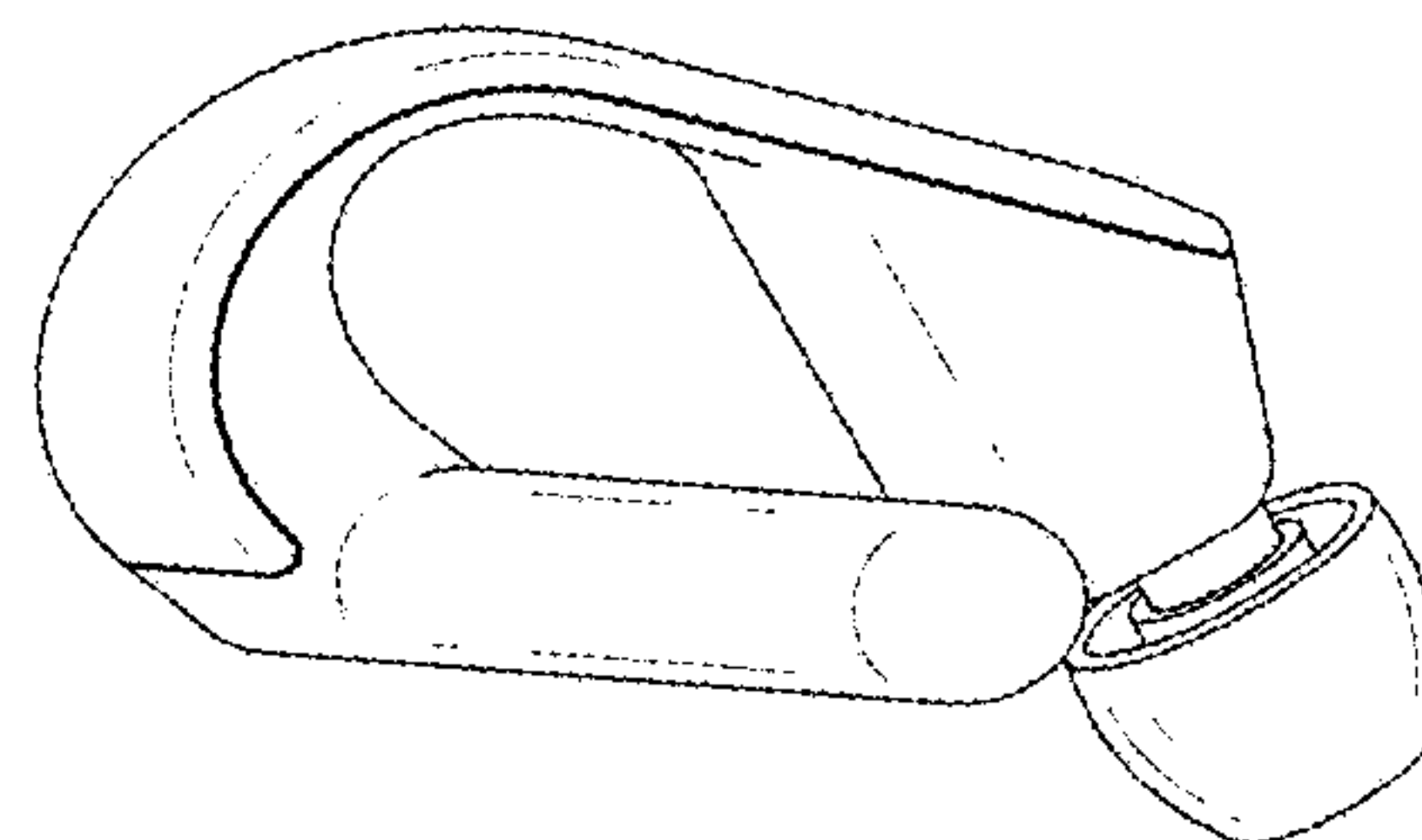
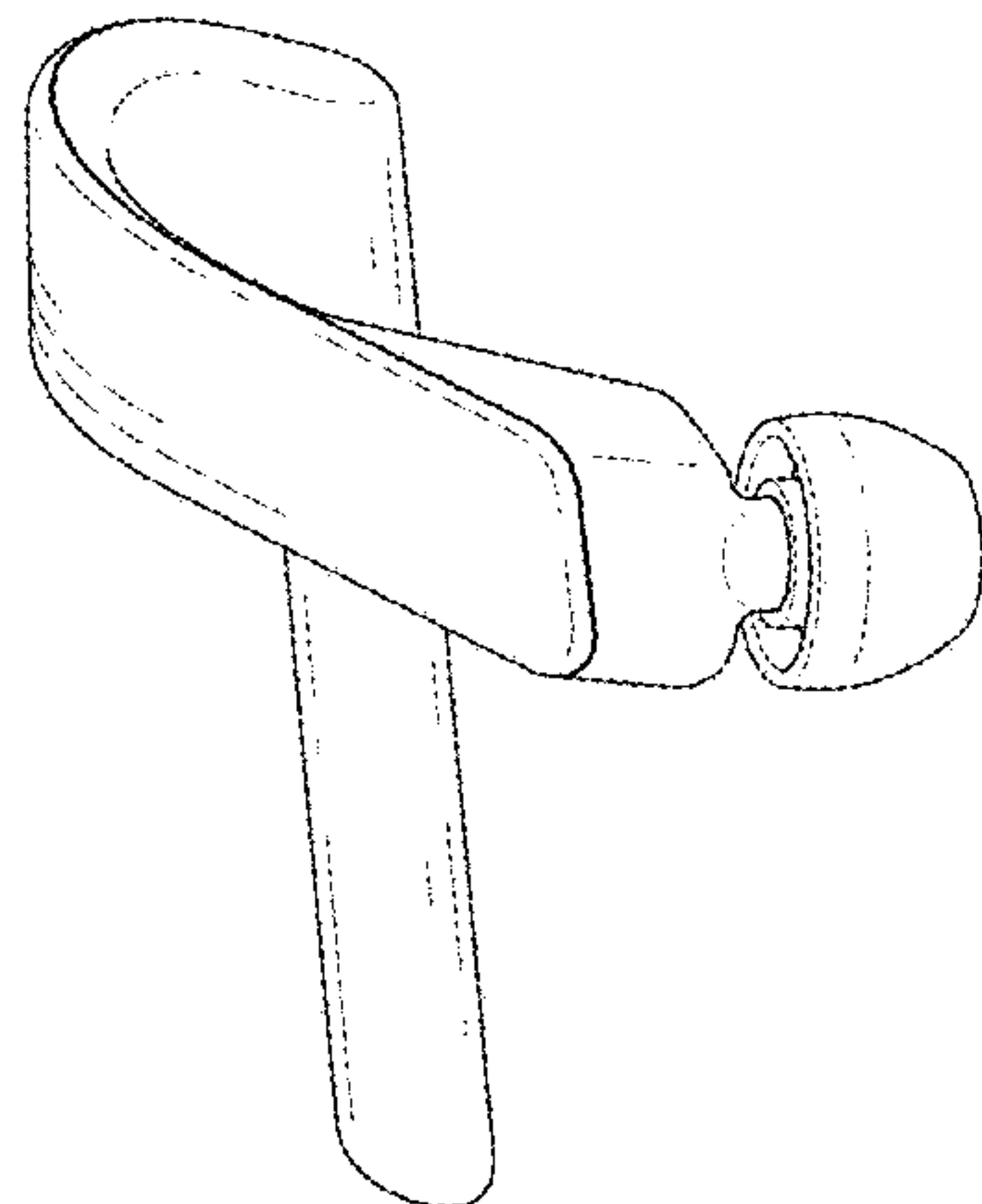
1.6 : Top

1.7 : Bottom

1.8 : Reference

Reproduction 1.8 is a reference view showing a state of use in which the wireless earphone is inserted into an ear. The broken line showing of the ear in Reproduction 1.8 forms no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

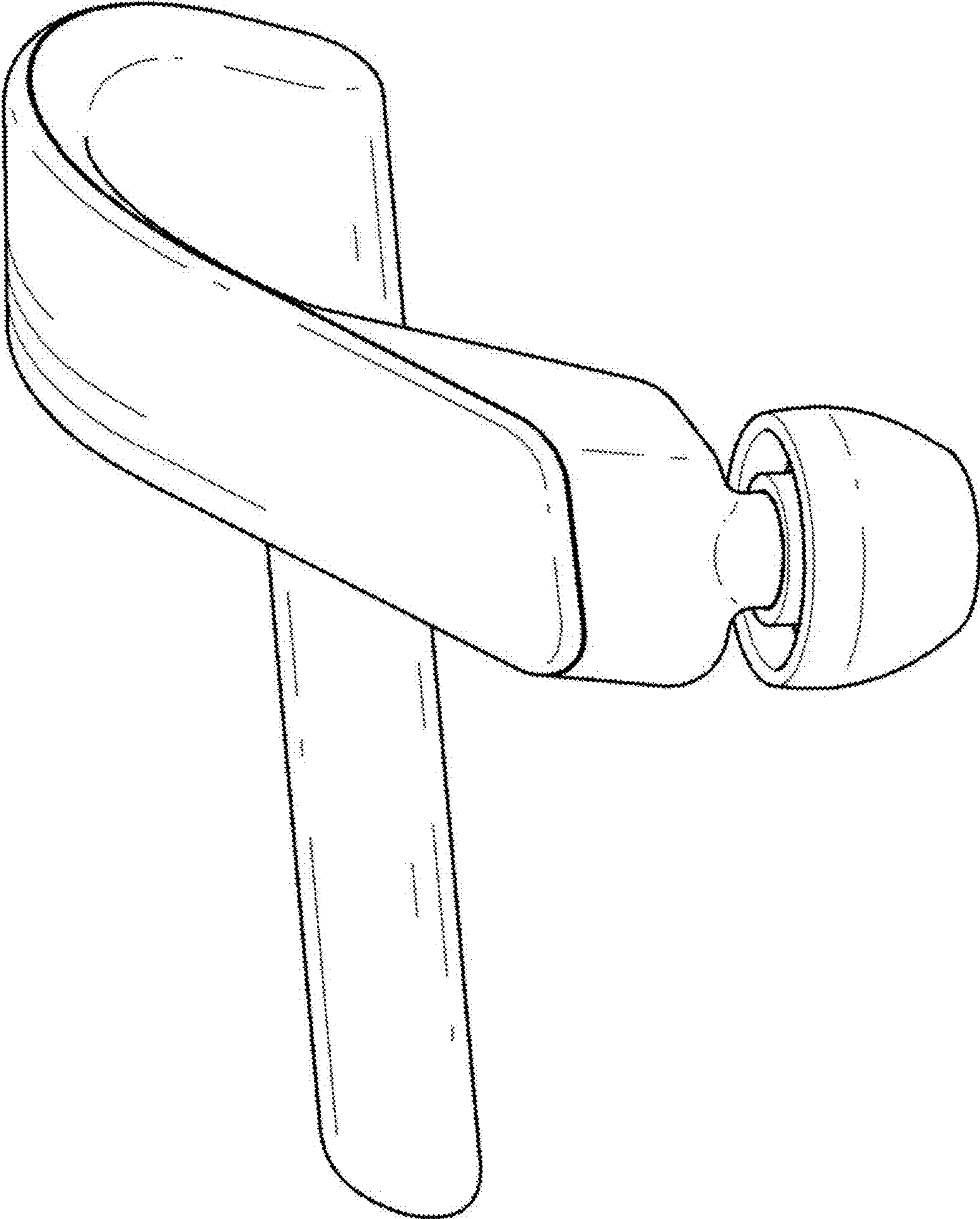
**References Cited**

U.S. PATENT DOCUMENTS

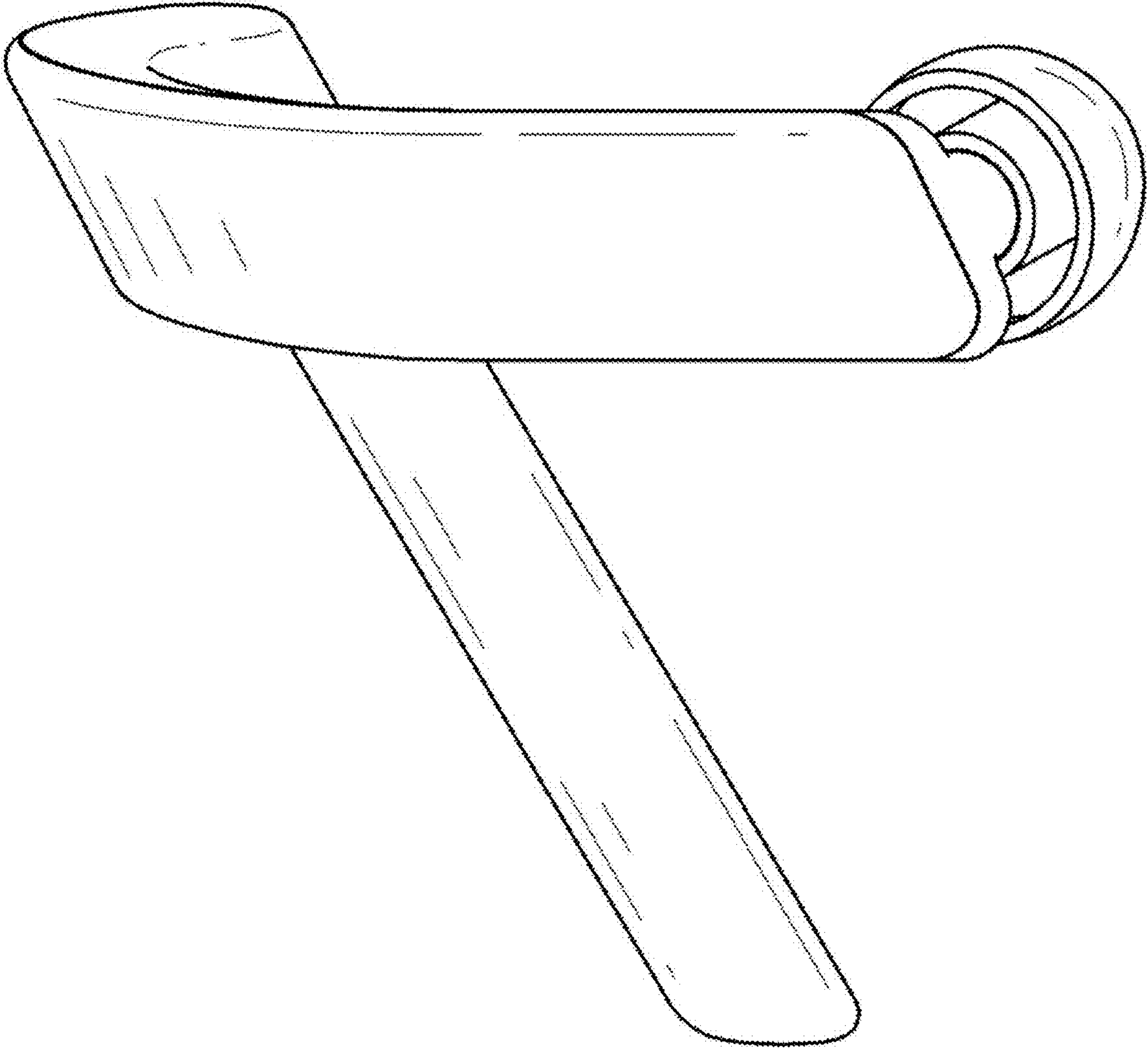
D625,297 S \* 10/2010 Tseng ..... D14/223  
D629,397 S \* 12/2010 Hensen ..... H04R 5/033  
D14/223  
D662,913 S \* 7/2012 Birger ..... D14/206  
D711,851 S \* 8/2014 Houghton ..... D14/206  
D732,509 S \* 6/2015 Brunner ..... H04R 25/00  
D14/223  
D753,626 S \* 4/2016 Tran ..... D14/205  
D755,159 S \* 5/2016 Birger ..... D14/206  
D784,290 S \* 4/2017 Paterson ..... D14/205  
D809,486 S \* 2/2018 Arimoto ..... D14/223  
D830,337 S \* 10/2018 Yan ..... D14/206  
2013/0322646 A1 \* 12/2013 Davie ..... H04R 1/1041  
381/74

\* cited by examiner

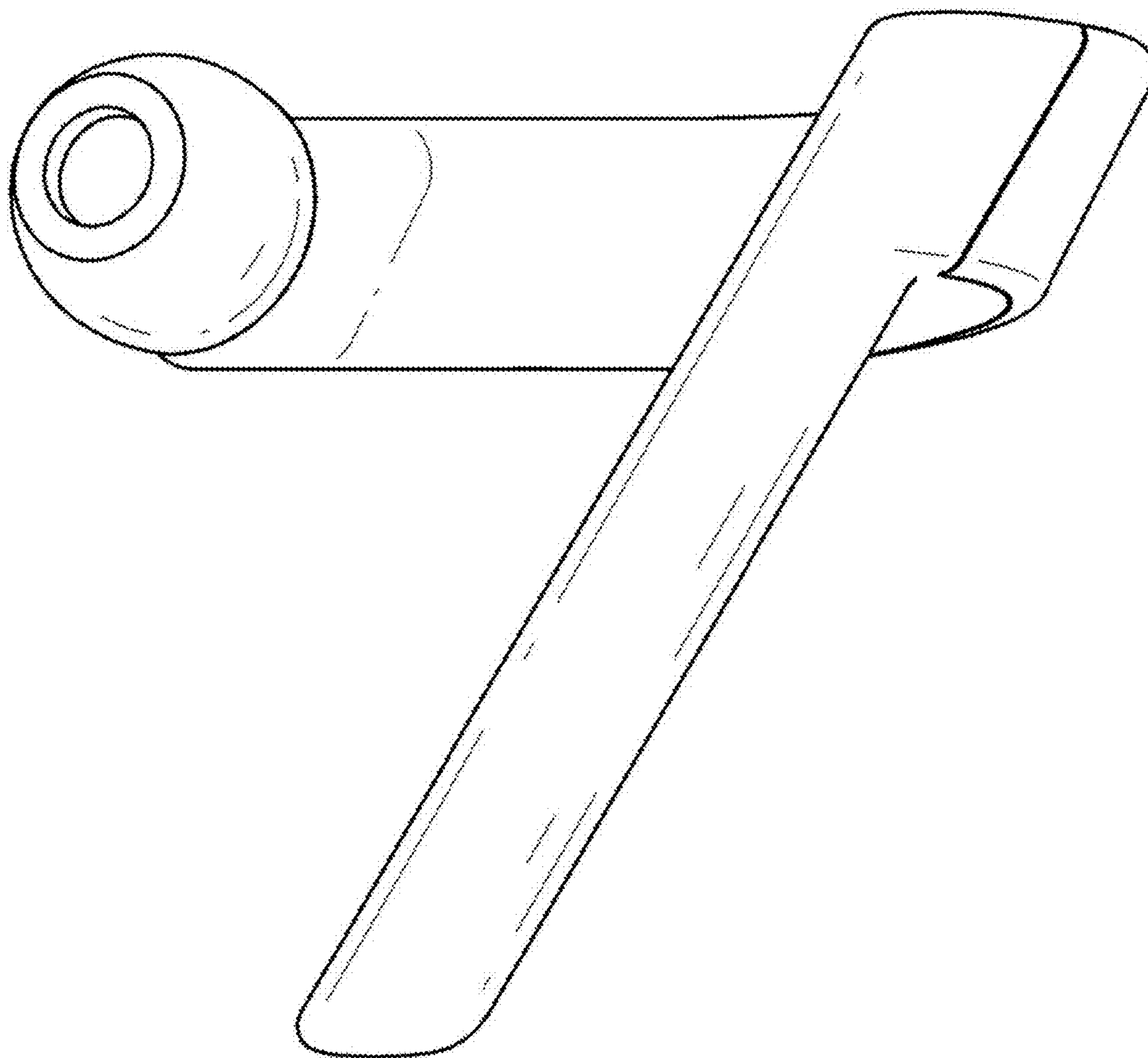
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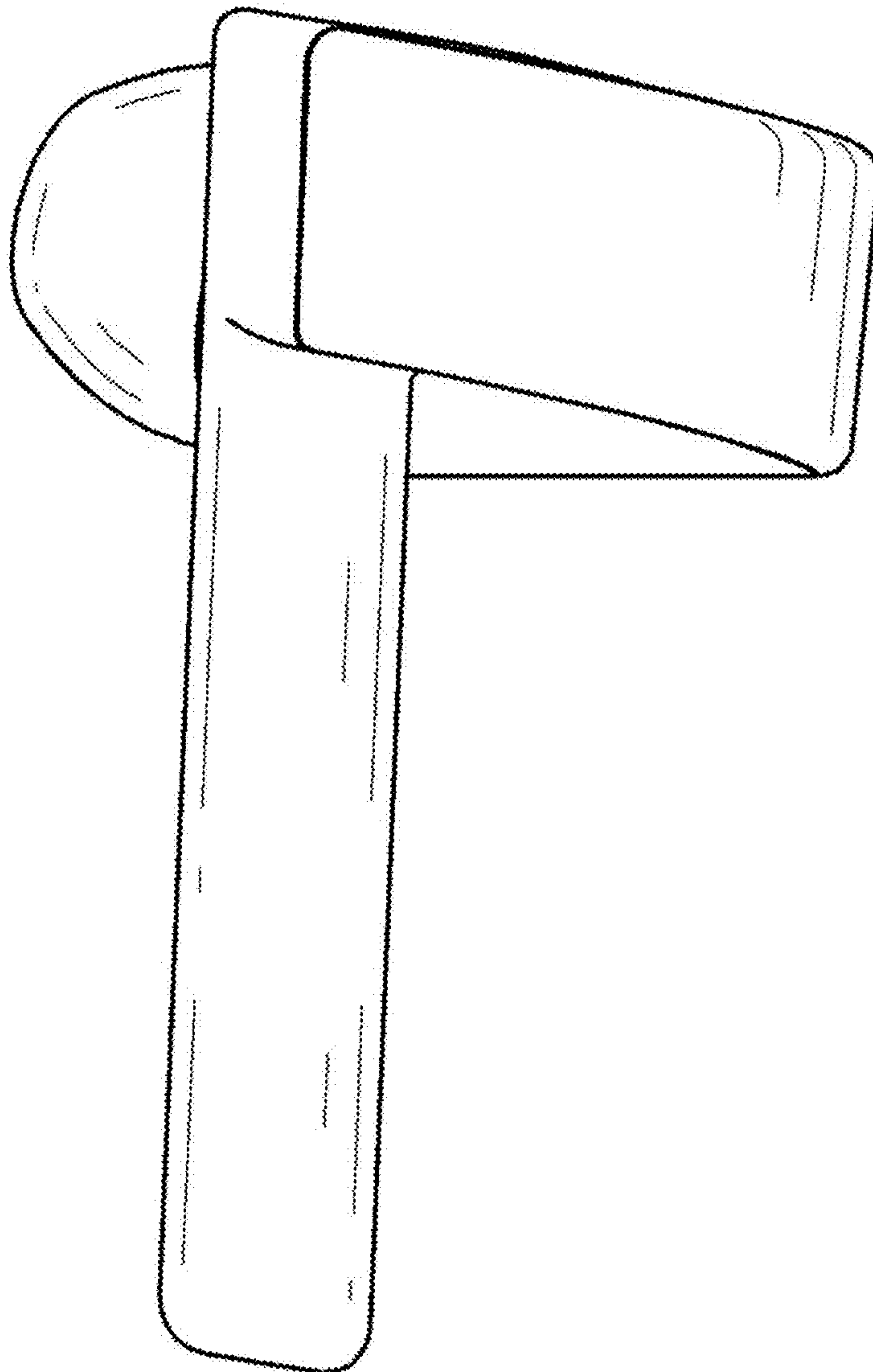
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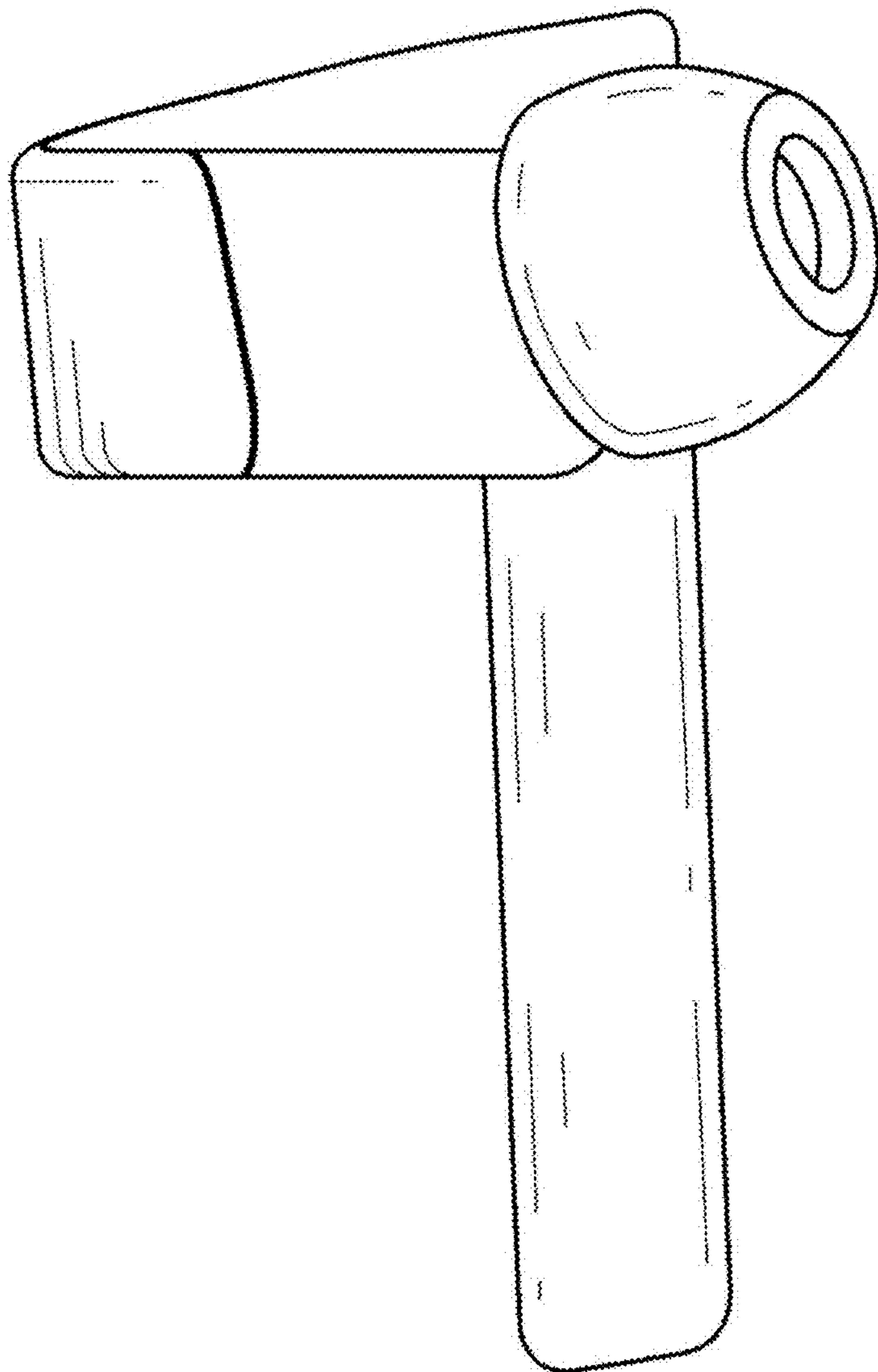


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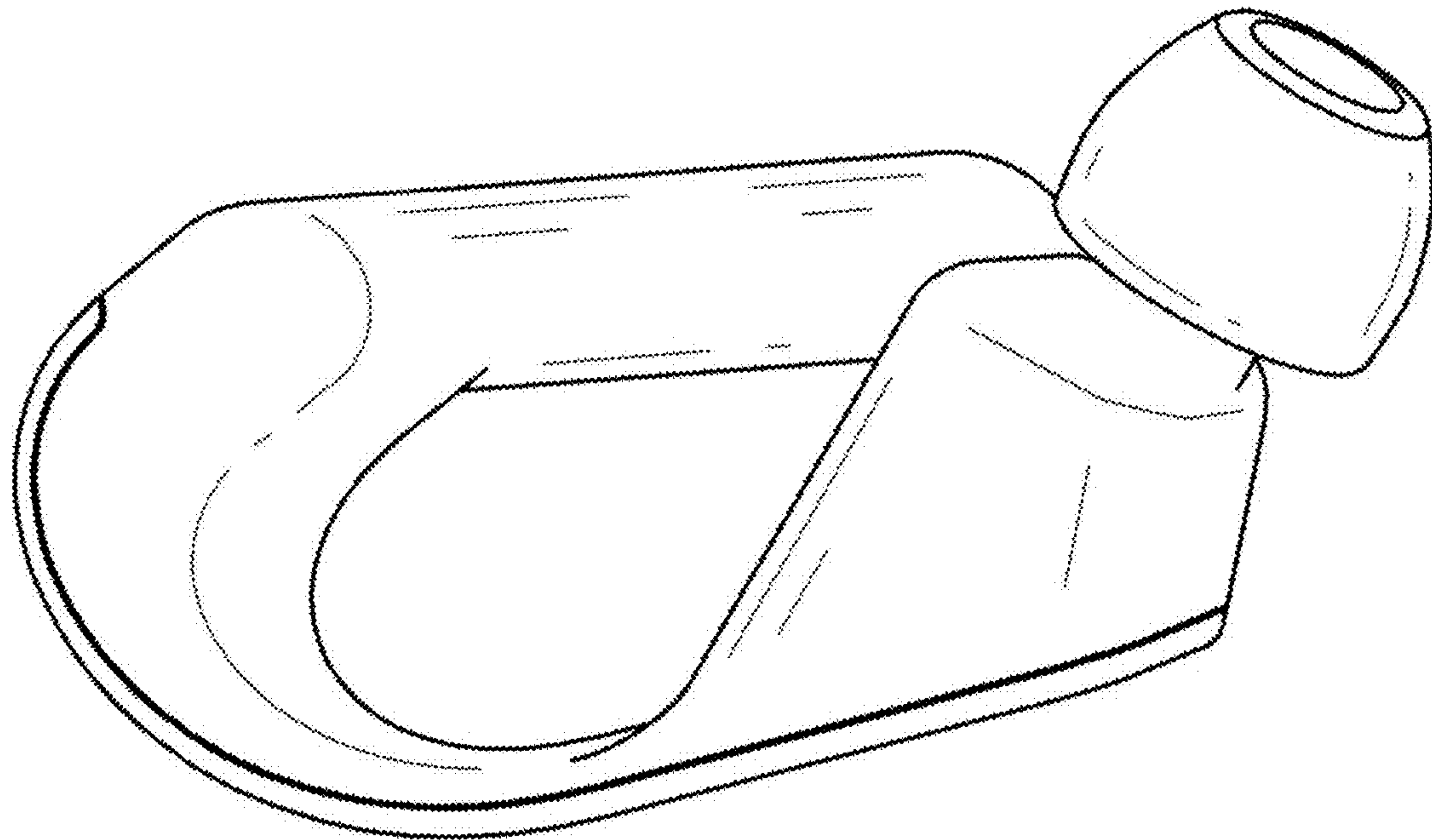




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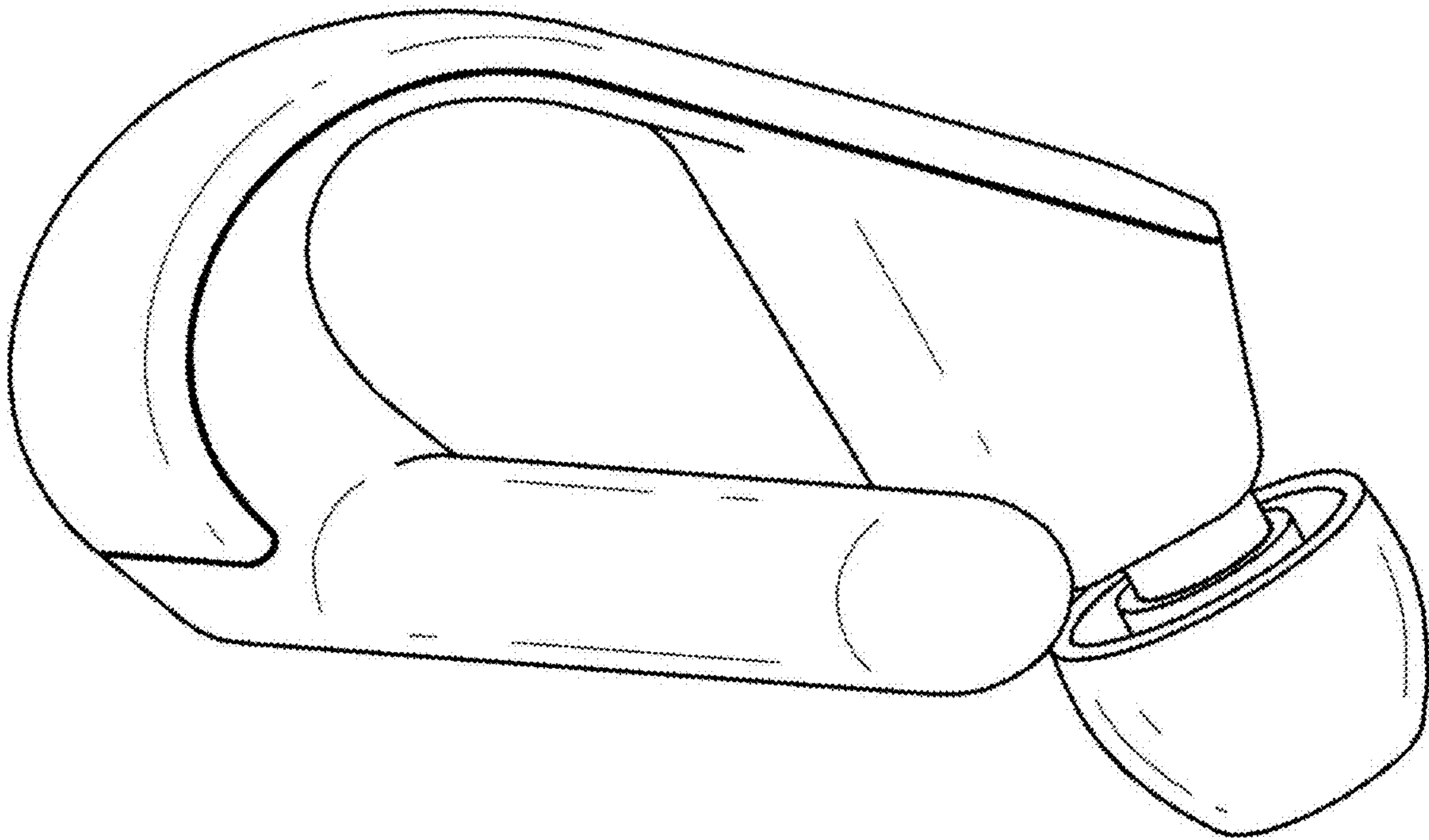


1.6





1.7



1.8

