



US00D850443S

(12) **United States Design Patent**
Kwon

(10) **Patent No.:** **US D850,443 S**
(45) **Date of Patent:** **** Jun. 4, 2019**

(54) **FLEXIBLE ELECTRONIC DEVICE**

(71) Applicant: **LENOVO (BEIJING) CO., LTD.**,
Beijing (CN)

(72) Inventor: **Jincherl Kwon**, Beijing (CN)

(73) Assignee: **LENOVO (BEIJING) CO., LTD.**,
Beijing (CN)

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

(21) Appl. No.: **29/568,861**

(22) Filed: **Jun. 22, 2016**

(30) **Foreign Application Priority Data**

Dec. 22, 2015 (CN) 2015 3 0550925

(51) **LOC (11) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/344**

(58) **Field of Classification Search**
USPC D14/344, 138 R, 144, 341, 358;
D10/30-39, 70, 98; D11/3, 93-94;
D24/167, 169, 186-187; 361/679.03;
379/433.1

CPC .. A41D 1/002; G06F 1/04; G06F 1/08; G06F
1/10; G06F 1/14; G06F 1/1626; G06F
1/1628; G06F 1/163; G06F 1/1635; G06F
1/3203; G06Q 20/10; G06Q 20/12; G06Q
20/108; G06Q 20/145; H04B 1/3833;
H04B 1/385; H04B 1/3888; H04M 1/02;
H04M 1/03; H04M 1/04; H04M 1/05;
H04M 1/667; H04M 1/6058; Y02B
60/1217

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D167,828 S * 9/1952 Florac D14/137
D297,215 S * 8/1988 Pavlovic D10/30

D482,671 S * 11/2003 DiDonato D10/31
D591,706 S * 5/2009 Constin D14/138 AD
D595,254 S * 6/2009 Roberts D14/138 AA
7,609,512 B2 * 10/2009 Richardson G06F 1/1626
361/679.02
D622,244 S * 8/2010 Miyazawa D14/138 G
D627,769 S 11/2010 Kumagai
D632,264 S 2/2011 Choi

(Continued)

OTHER PUBLICATIONS

The Limbo Transformable Smartphone Switches from Handset to Timepiece, posted Apr. 5, 2013, [retrieved Mar. 2, 2018]. Retrieved from Internet, <URL: <https://www.trendhunter.com/trends/limbo-transformable-smartphone> >.*

(Continued)

Primary Examiner — Barbara Fox

Assistant Examiner — Kristin E Reed

(74) *Attorney, Agent, or Firm* — Oppedahl Patent Law Firm LLC

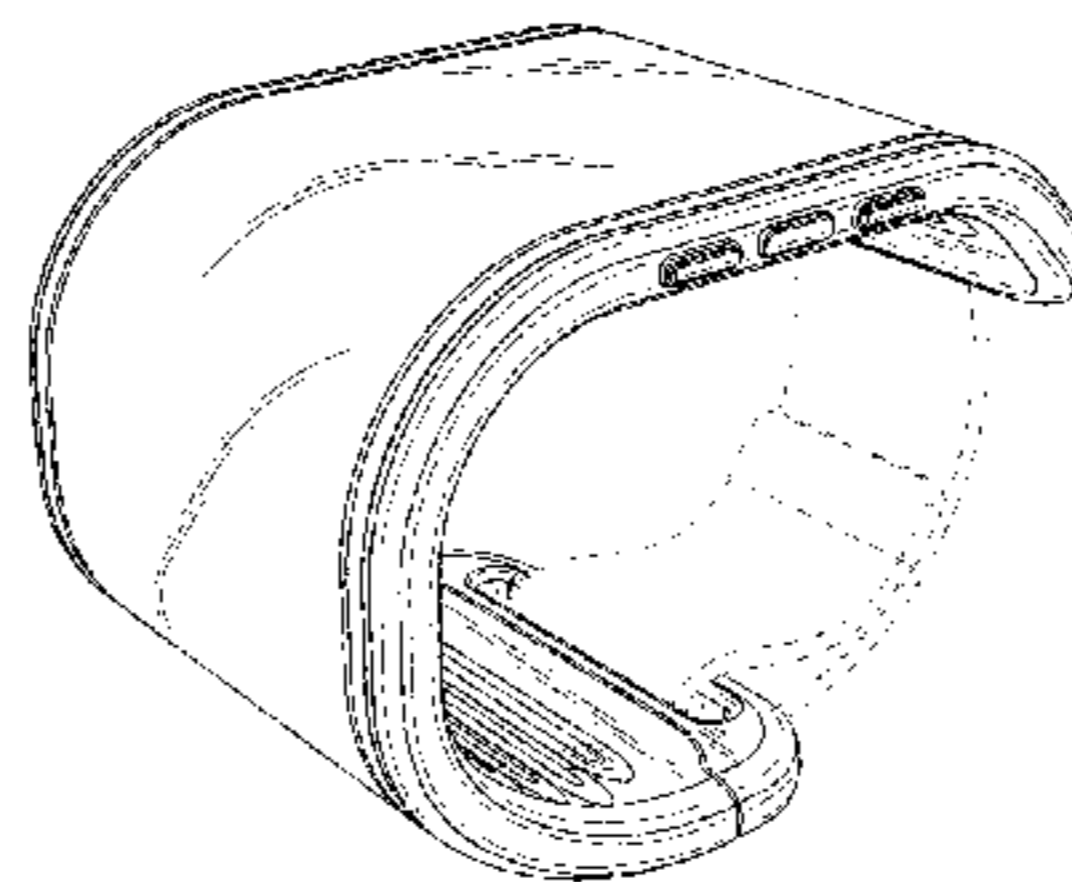
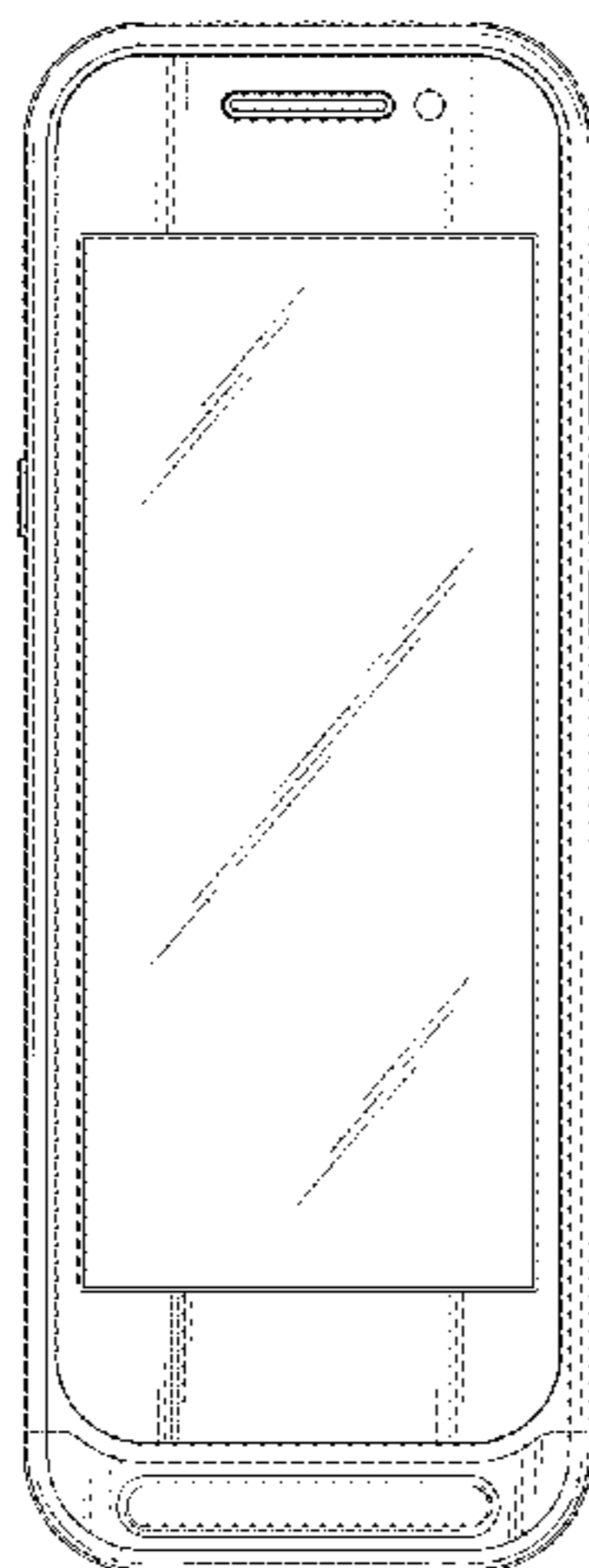
(57) **CLAIM**

The ornamental design for a flexible electronic device, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a flexible electronic device showing the new design;
FIG. 2 is a back view thereof;
FIG. 3 is a left side view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a top view thereof;
FIG. 6 is a bottom view thereof;
FIG. 7 is a perspective view thereof; and,
FIG. 8 is a bent perspective view thereof.
The broken lines shown in the drawings illustrate portions of the flexible electronic device that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,936,338 B2 5/2011 Iwase
D678,876 S * 3/2013 Andre D14/341
D714,270 S 9/2014 Lee
D714,271 S 9/2014 Lee
D716,247 S * 10/2014 Yun D10/32
D725,071 S * 3/2015 Lee D14/138 R
D726,140 S 4/2015 Park
D732,528 S 6/2015 Kim
D732,989 S * 6/2015 Ogiwara D10/70
D733,130 S 6/2015 Kim
D733,131 S 6/2015 Kim
D738,877 S 9/2015 Kim
D748,625 S 2/2016 Takahashi
D752,041 S 3/2016 Kim
D759,009 S 6/2016 Kim
9,373,307 B2 * 6/2016 Kim G09G 5/14
D768,300 S 10/2016 Felix
D772,867 S 11/2016 Park
D778,862 S 2/2017 Hibi
D784,314 S 4/2017 Ryu
9,615,473 B2 * 4/2017 Kim G06F 1/1652
D788,726 S 6/2017 Lee
D788,734 S 6/2017 Park
D788,735 S 6/2017 Daniel
9,703,322 B2 * 7/2017 Lin G06F 1/163
D794,803 S * 8/2017 Thom D24/169
D804,443 S 12/2017 Kang
9,848,494 B2 * 12/2017 Huitema G06F 1/163
D807,350 S * 1/2018 Inagaki D14/344
9,891,725 B2 2/2018 Lindblad
D814,435 S 4/2018 Kwon
9,939,009 B2 4/2018 Nakamura
9,959,030 B2 5/2018 Sang
10,063,677 B2 8/2018 Cavallaro et al.
D828,321 S 9/2018 Yeom
2011/0188189 A1 8/2011 Park
2013/0222349 A1 8/2013 Baek
2013/0300732 A1 11/2013 Hosoya
2014/0004906 A1 1/2014 Chi
2014/0099479 A1 4/2014 Krall
2014/0111549 A1 4/2014 Vanska
2014/0198036 A1 7/2014 Kim
2014/0306985 A1 10/2014 Jeong
2015/0242083 A1 8/2015 Rainisto
2015/0261254 A1 9/2015 Hiroki
2015/0277498 A1 10/2015 Wu
2015/0357387 A1 12/2015 Lee
2016/0048170 A1 2/2016 Kim
2016/0259514 A1 9/2016 Sang
2016/0324023 A1 11/2016 Kim
2016/0357158 A1 12/2016 Kim
2016/0370828 A1 12/2016 Hsu
2017/0023979 A1 1/2017 Yamazaki
2017/0142848 A1 5/2017 Yeo

2017/0160819 A1 6/2017 Yi
2017/0199549 A1 7/2017 Yeom
2018/0067638 A1 3/2018 Klein

OTHER PUBLICATIONS

Philips Fluid Smartphone, posted Feb. 27, 2014, [retrieved Mar. 2, 2018]. Retrieved from Internet, <URL: <http://www.newwhitegadgets.com/philips-fluid-smartphone/>>.*
Everything You Need to Know About the Galaxy Gear Smartwatch Specs & Release Date [Report], posted Aug. 20, 2013, [retrieved Mar. 2, 2018]. Retrieved from Internet, <URL: <https://www.americaninno.com/boston/galaxy-gear-smartwach-specs-everything-you-need-to-know-about-the-galaxy-gear-smartwatch-specs-release-date/>>.*
Lenovo Displayed Futuristic Flexible Smartphone and Foldable Tablet, posted Jun. 11, 2016, [retrieved Mar. 2, 2018]. Retrieved from Internet, <URL: <http://www.sagmart.com/news/Technology/lenovo-displayed-flexible-smartphone-and-foldable-tablet>>.*
Lenovo flexible Phone and Tablet Concept I Lenovo flexible Smartphone Upcoming in 2017, posted by Steal My Gadgets on YouTube, published Jun. 9, 2016, [online], [site visited Dec. 30, 2017]. Available from Internet, <URL: <https://www.youtube.com/watch?v=j11v7FZw73Q>>.*
The Wove Band: Don't Call it a Smartwatch, posted by WIRED on YouTube, published Oct. 3, 2015, [online], [site visited Dec. 30, 2017]. Available from Internet, <URL: <https://www.youtube.com/watch?v=kPoNm0j2jIQ>>.*
Nokia 888 Concept Phone Review, posted by MrClickHere on YouTube, published Mar. 22, 2012, [online], [site visited Dec. 30, 2017]. Available from Internet, <URL: <https://www.youtube.com/watch?v=mBIFRMOvHBI>>.*
A Flex Phone Would be the Best Design, by Troy Turner on Yanko Design, posted Jul. 11, 2013, [online], [site visited Dec. 30, 2017]. Available from Internet, <URL: <http://www.yankodesign.com/2013/07/11/a-flex-phone-would-be-the-best-phone/>>.*
MWC 2014: Kyocera Showcases Flexible Phone That Turns Into Bracelet, by Kelvin on Concept Phones, posted Feb. 27, 2014, [online], [site visited Dec. 30, 2017]. Available from Internet, <URL: <https://www.concept-phones.com/kyocera/mwc-2014-kyocera-showcases-flexible-phone-turns-bracelet/>>.*
Now, the Google Nexus 360 concept is a phone you wouldn't mind owning, by Nandagopal Rajan, posted Aug. 21, 2014, [online], [site visited Dec. 30, 2017]. Available from Internet, <URL: <http://indianexpress.com/article/technology/mobile-tabs/now-this-is-a-concept-phone-we-wouldnt-mind-owning/>>.*
Philips Fluid Flexible Smartphone Concept, Created by Brazilian Designer Dinard da Mata, by Thyrstan on Concept Phones, posted Aug. 20, 2010, [online], [site visited Dec. 30, 2017]. Available from Internet, <URL: <https://www.concept-phones.com/fashion-phones/philips-fluid-flexible-smartphone-concept-created-brazilian-designer-dinard-da-mata/>>.*

* cited by examiner

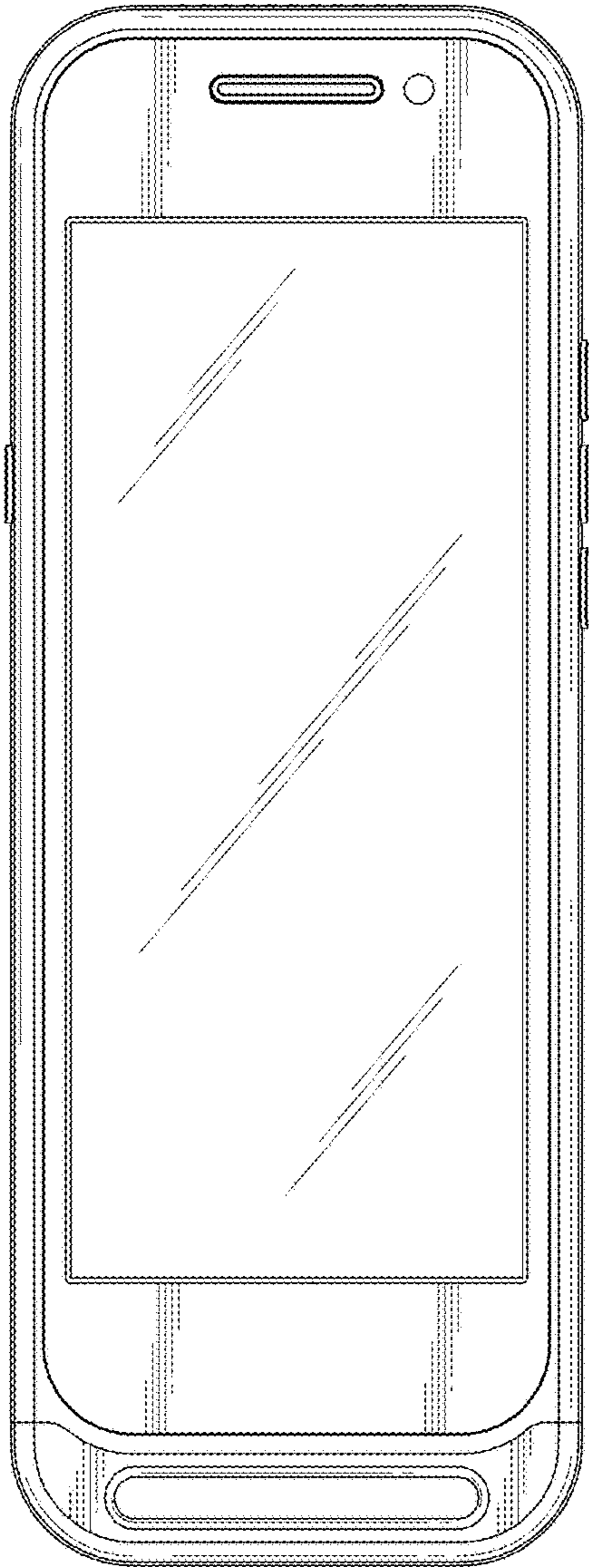


Fig. 1

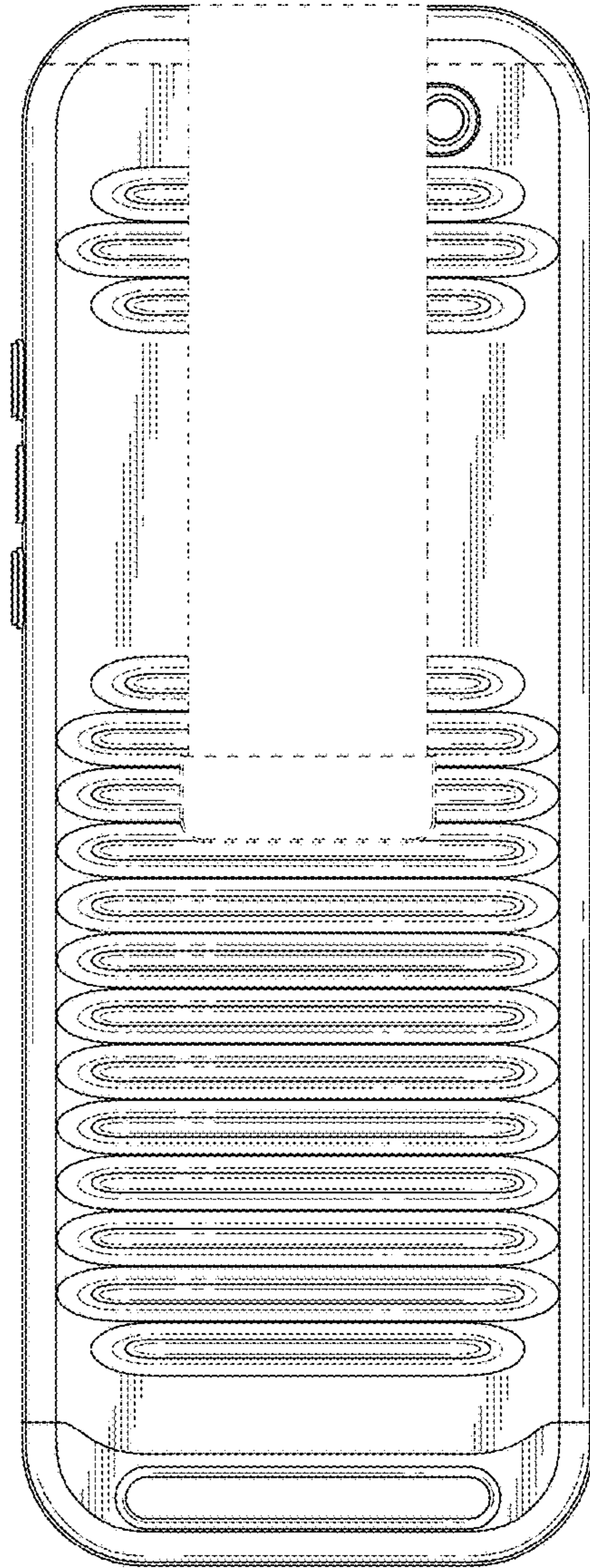


Fig. 2

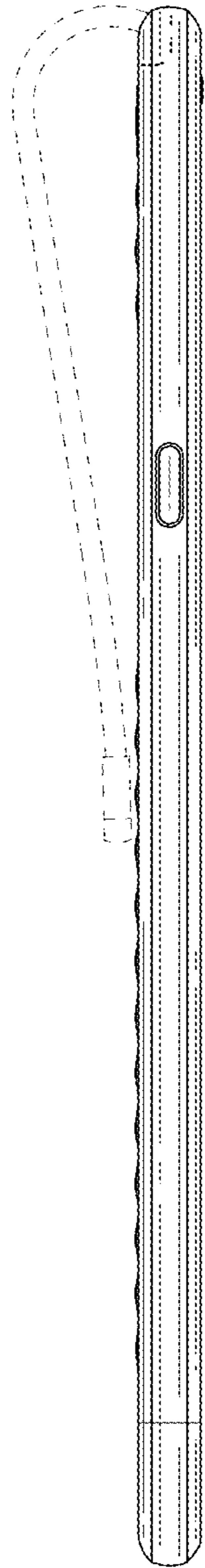


Fig. 3

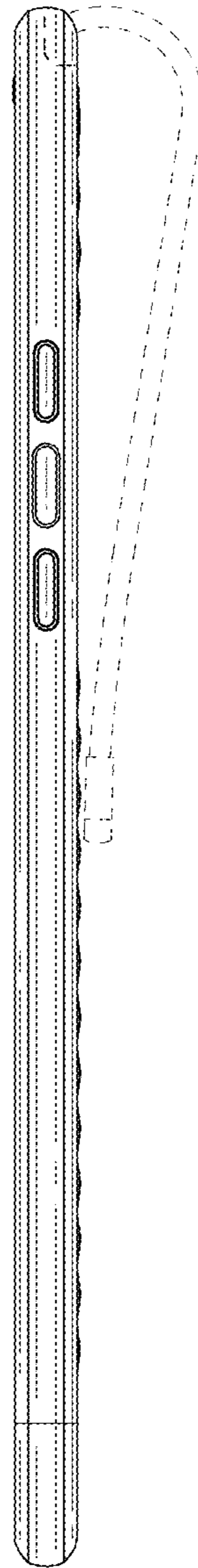


Fig. 4

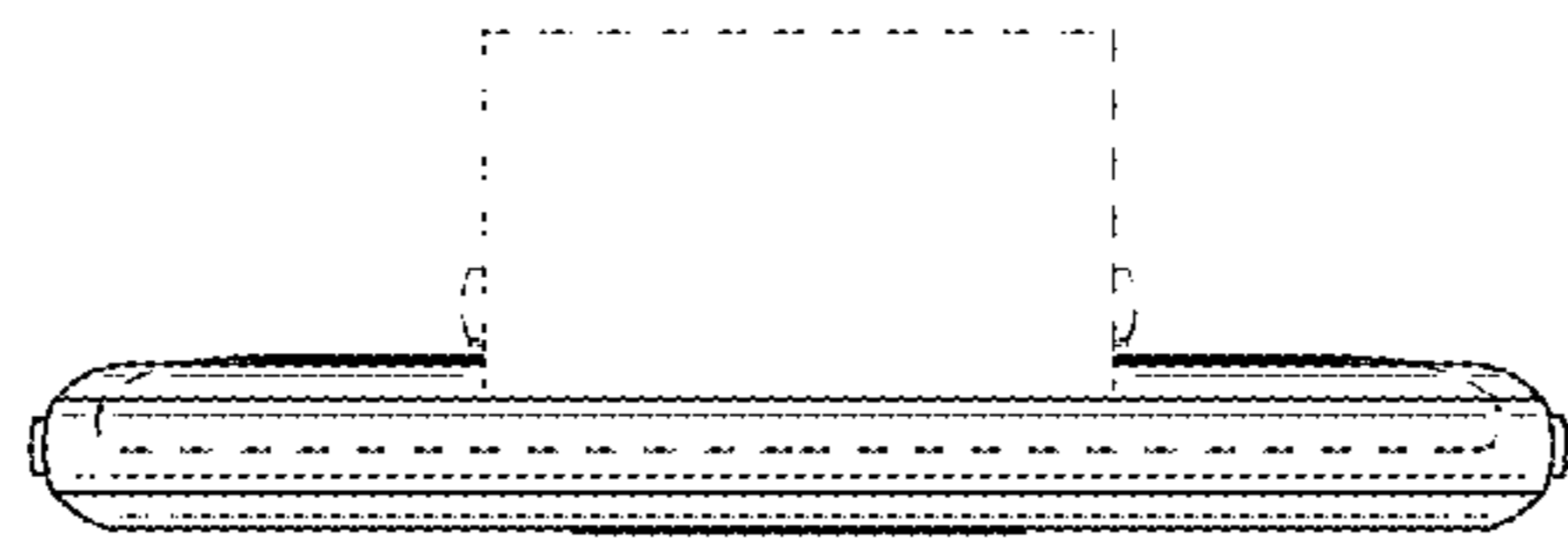


Fig. 5

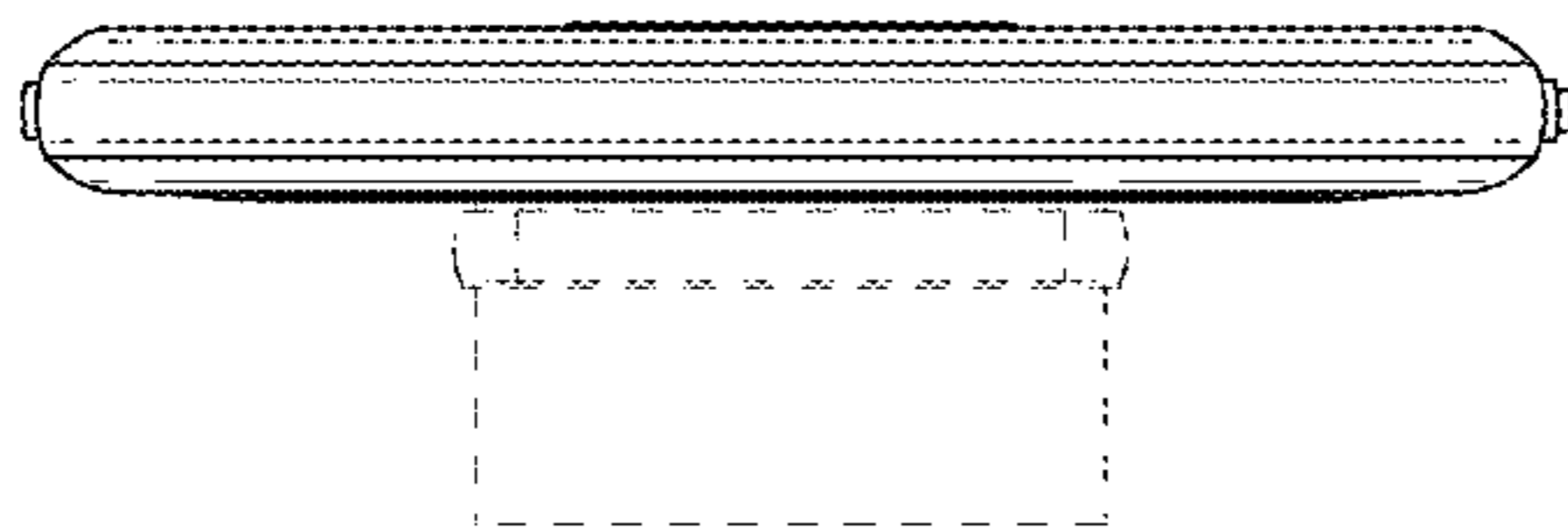


Fig. 6

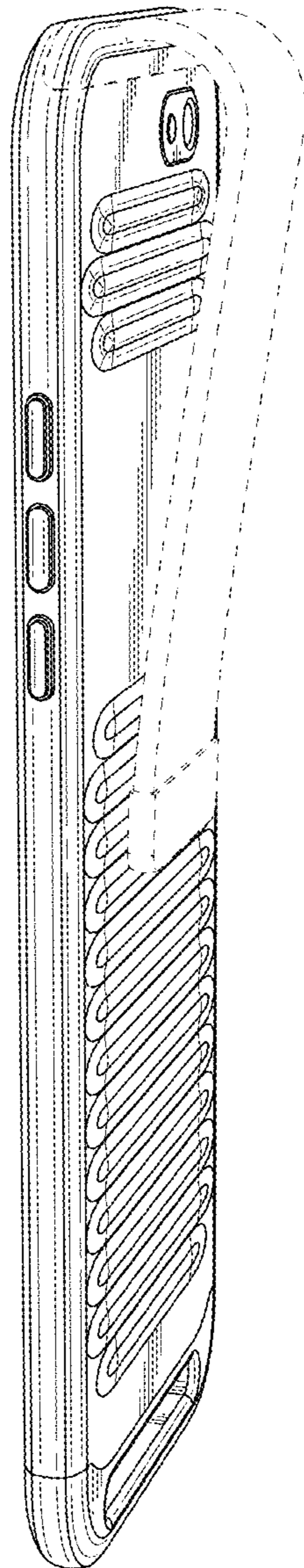


Fig. 7

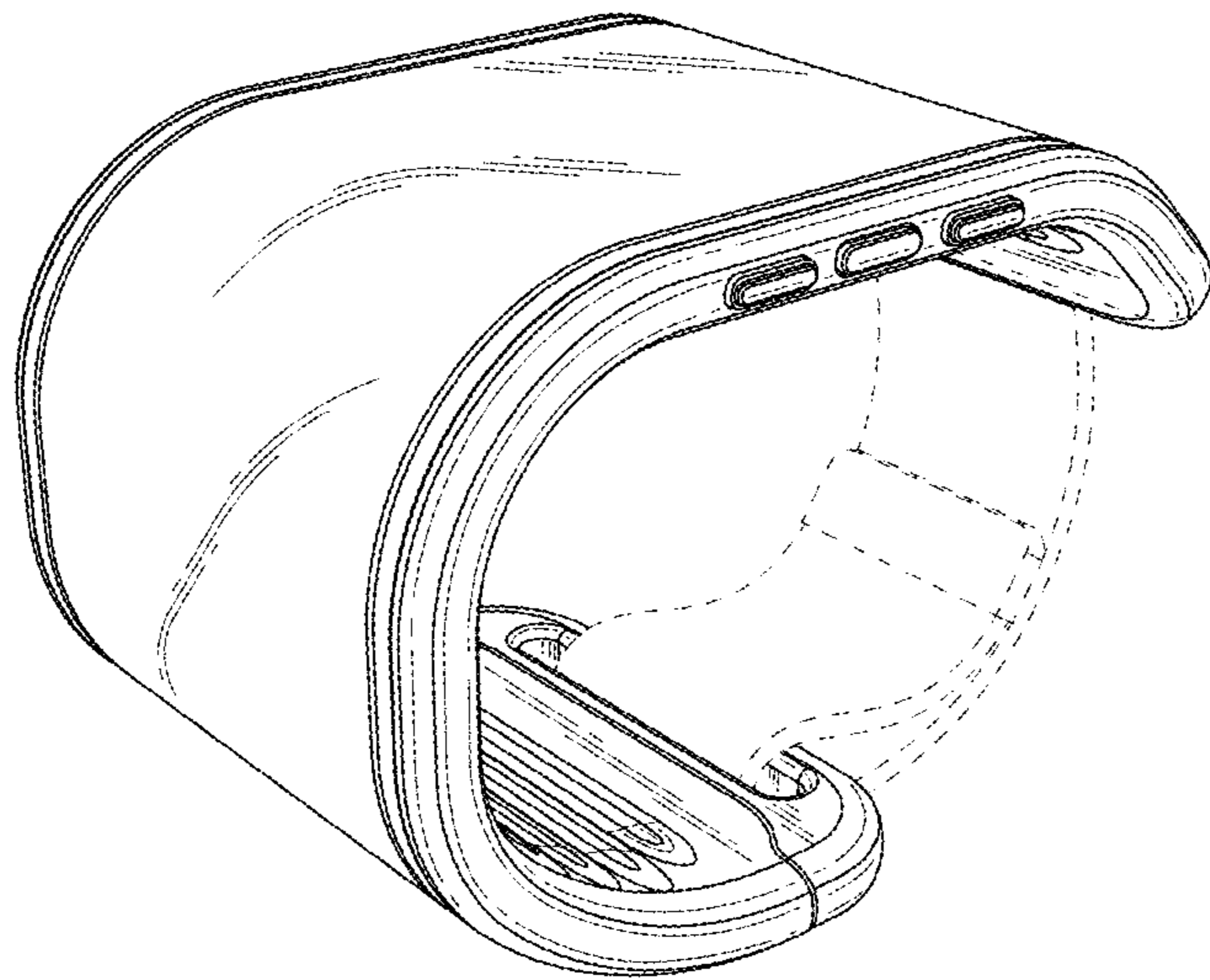


Fig. 8