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United States Design Patent
Proud et al.

(10)

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(45)

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(54) **PROXIMITY SENSOR MODULE WITH TRANSMITTER**

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(72) Inventors: **Reuben Proud**, Willenhall (GB); **Sten Rundberg**, Willenhall (GB); **Mats Rundberg**, Willenhall (GB)

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

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(52) **U.S. Cl.**
USPC **D10/70**

(58) **Field of Classification Search**
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D10/56, 96, 101, 104.1, 104.2, 106.1,
D10/121, 83–89
CPC G08B 21/18; G08B 21/182; G08B 3/00;
G08B 19/00; G01D 7/00; G01D 11/24;
G01D 11/245; G01F 1/00; G01N 33/0031
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D138,856 S * 9/1944 Dreyfuss D10/91
D498,149 S * 11/2004 Chan D10/53
D552,498 S * 10/2007 Roesmann D10/91
D576,904 S * 9/2008 Beadle D10/118
D585,317 S * 1/2009 Wagner D10/81
D613,306 S * 4/2010 Son D14/498

D613,626 S * 4/2010 Wang D10/50
D615,434 S * 5/2010 Regard D10/91
D638,320 S * 5/2011 Thing D10/70
D679,207 S * 4/2013 Johannes D10/83
D693,710 S * 11/2013 Bachel D10/70
D700,081 S * 2/2014 Balschweit D10/70
D724,044 S * 3/2015 Reivo D14/138 G
D726,801 S * 4/2015 Kim D16/219
D727,394 S * 4/2015 Kim D16/219
D733,109 S * 6/2015 Reivo D14/248
D733,206 S * 6/2015 Lee D16/202
D735,703 S * 8/2015 Reivo D14/248
D736,111 S * 8/2015 Klein D24/169
D768,586 S * 10/2016 Christianson D13/184
D774,025 S * 12/2016 Reivo D14/248
D796,350 S * 9/2017 Bone D10/46
D808,285 S * 1/2018 Bone D10/46

(Continued)

FOREIGN PATENT DOCUMENTS

GB 2584101 A 11/2020
WO WOD215372-001 * 12/2021

Primary Examiner — George D. Kirschbaum
Assistant Examiner — Antoinette Martine Suiter

(57) **CLAIM**

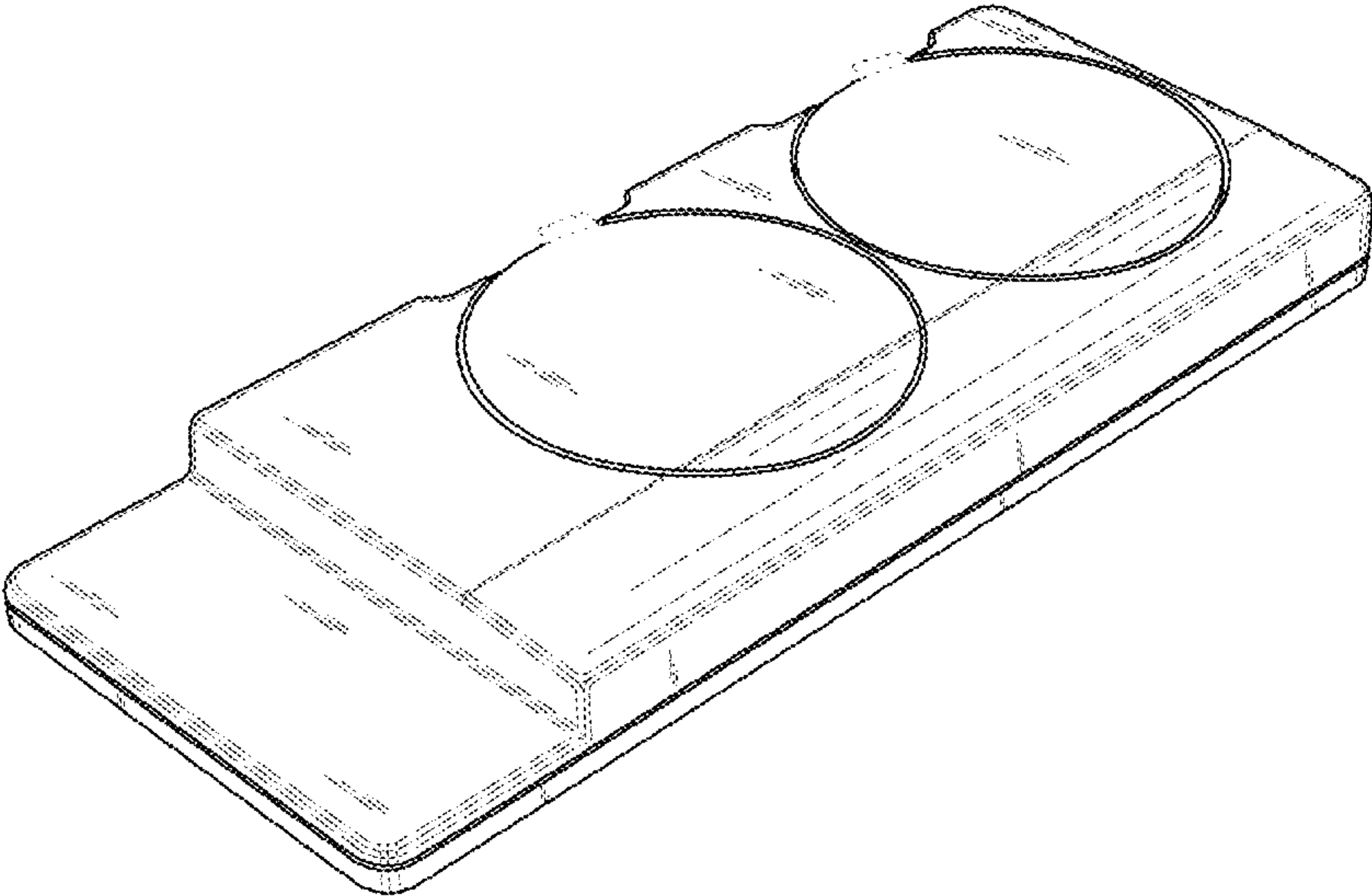
The ornamental design for a proximity sensor module with transmitter, as shown and described.

DESCRIPTION

1. Proximity sensor module with transmitter
1.1 : Perspective
1.2 : Top
1.3 : Bottom
1.4 : Right
1.5 : Left
1.6 : Front
1.7 : Back

The broken line showing is included for the purpose of illustrating portions of the “article” and forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



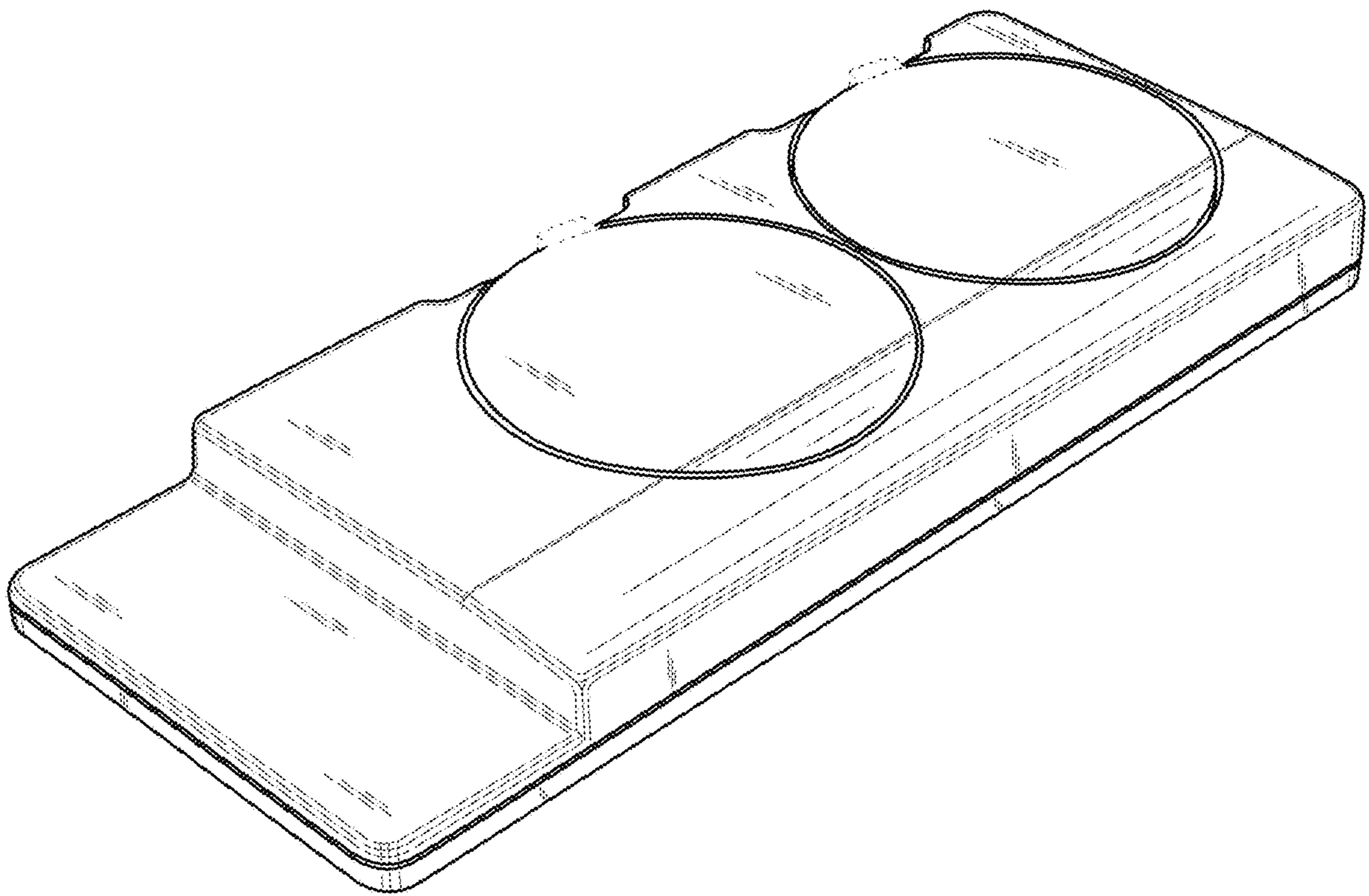
(56) **References Cited**

U.S. PATENT DOCUMENTS

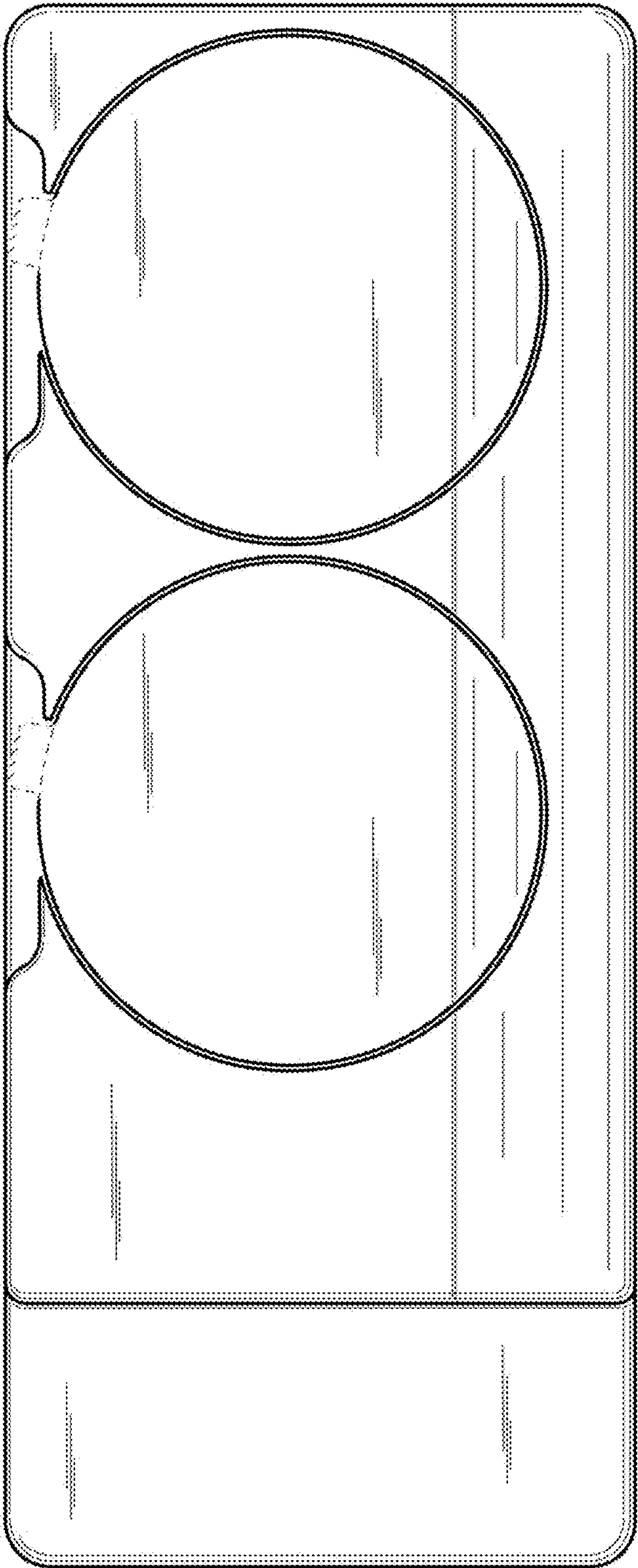
D816,525	S	*	5/2018	Sawai	D10/85
D818,386	S	*	5/2018	Barovic	D10/70
D836,474	S	*	12/2018	Cannell	D10/104.1
D847,805	S	*	5/2019	Lederer	D14/250
D850,958	S	*	6/2019	Pan	D10/91
D851,253	S	*	6/2019	Goolkasian	D24/167
D851,988	S	*	6/2019	Nilssen	D7/402
D862,265	S	*	10/2019	Cannell	D10/104.1
D877,638	S	*	3/2020	Vardi	D10/104.1
D885,944	S	*	6/2020	Kim	D10/70
D890,002	S	*	7/2020	Cound	D10/70
D894,021	S	*	8/2020	Smith	D10/50
D918,070	S	*	5/2021	Franco	D10/70
D922,890	S	*	6/2021	Broadfield	D10/86
D959,308	S	*	8/2022	Zhou	D10/91
2012/0125810	A1	*	5/2012	Birgers	B65D 73/0035 220/756

* cited by examiner

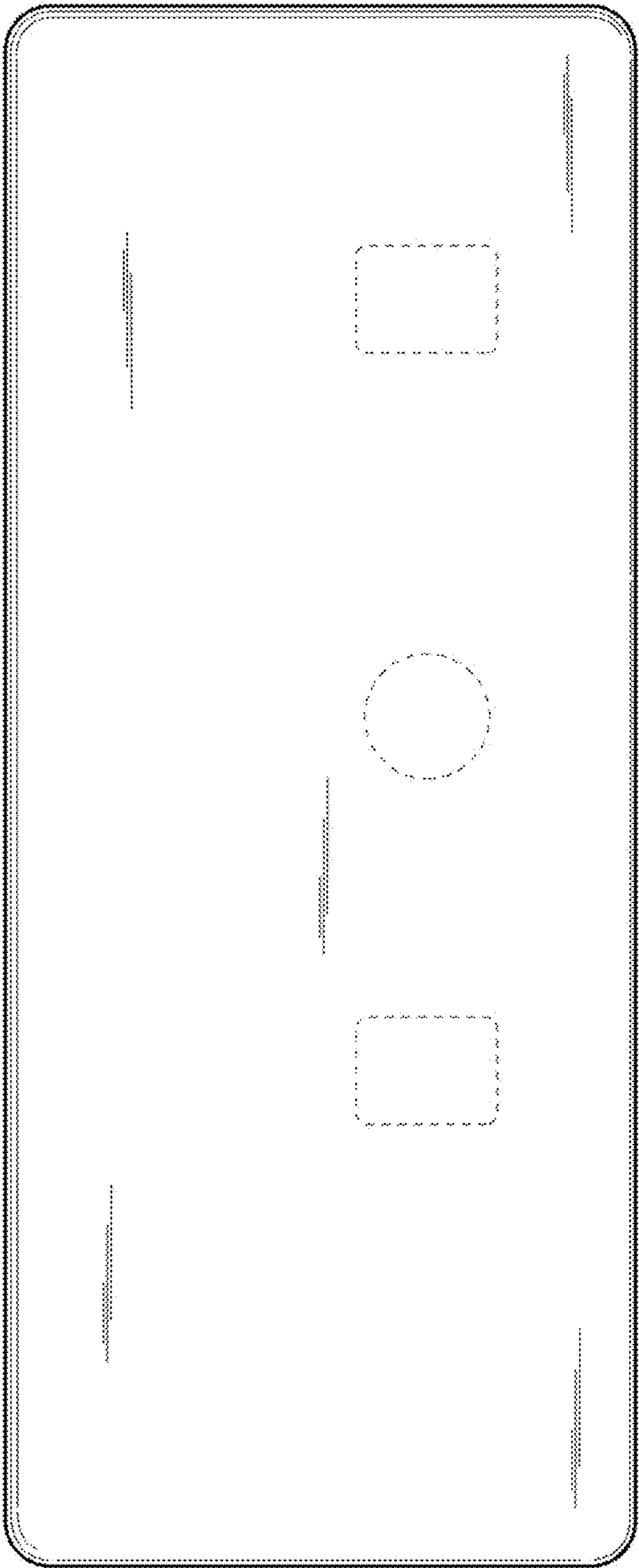
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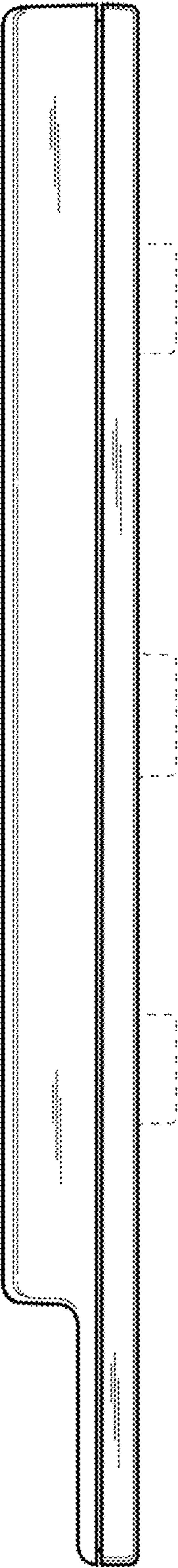
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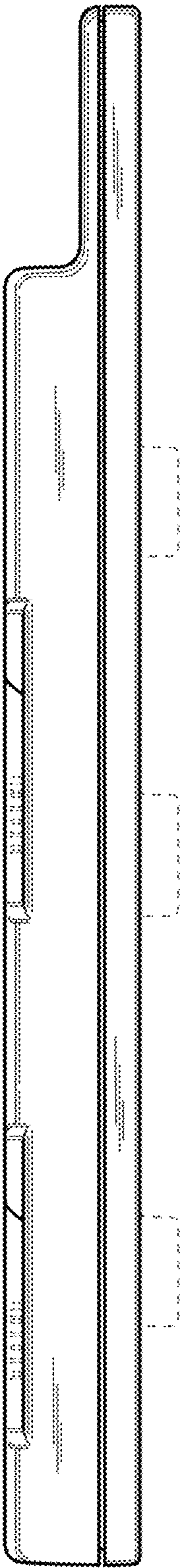
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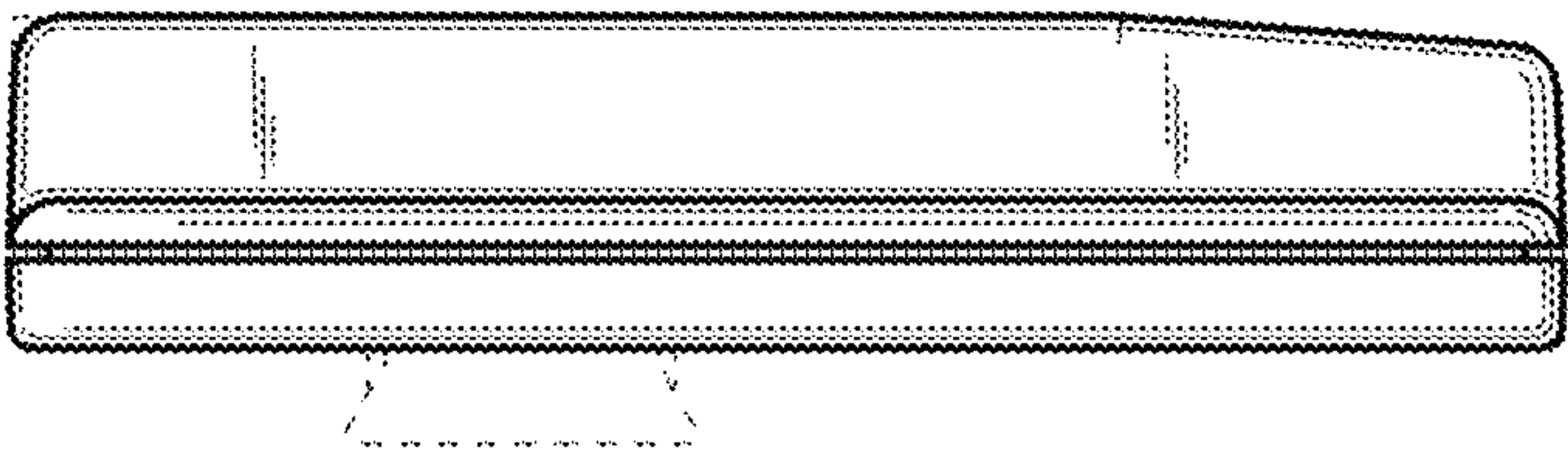
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1.5



1.6



1.7

