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

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(54) **WIRELESS COMMUNICATION DEVICE**

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

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(52) **U.S. Cl.**
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D10/46

(58) **Field of Classification Search**

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D14/302, 314, 348, 351, 496, 142, 433;
D13/103, 107, 108, 123, 152, 158, 162,
D13/162.1, 163, 168, 184, 199; D10/46,
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CPC ... H04W 88/08; H04W 88/085; H04W 88/00;
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D188,130 S * 6/1960 Stuckrath D10/46
D272,443 S * 1/1984 Wong D14/155
D324,344 S * 3/1992 Collister D10/46
D327,879 S * 7/1992 Lou D14/357
D327,880 S * 7/1992 Lou D14/357
(Continued)

OTHER PUBLICATIONS

Measuring instruments. (Design—© Questel) orbit.com.[online
PDF] 13 pgs. Print Dates range from Feb. 7, 2012 to Jan. 20, 2017.
[Retrieved on Mar. 13, 2018] [https://sobjprd.questel.fr/export/
QPTUJ214/pdf2/163a97d6-8d01-447f-af50-490453fb1c47-
201618.pdf](https://sobjprd.questel.fr/export/QPTUJ214/pdf2/163a97d6-8d01-447f-af50-490453fb1c47-201618.pdf).*

(Continued)

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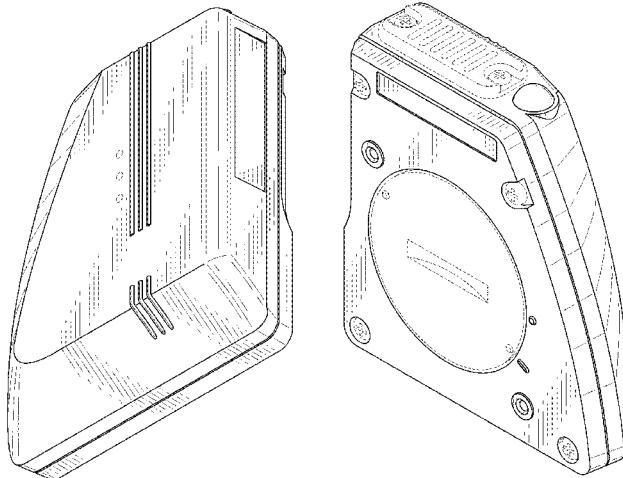
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front, bottom, right-side perspective view of the
wireless communication device;
FIG. 2 is a rear, top, left-side perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof;
FIG. 7 is a right-side elevational view thereof; and,
FIG. 8 is a left-side elevational view thereof.
The broken lines depict unclaimed parts of the wireless
communication device, and thus form no part of the claimed
design.

1 Claim, 6 Drawing Sheets



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(56)

References Cited

U.S. PATENT DOCUMENTS

D331,394 S * 12/1992 Kobayashi D14/242
D331,395 S * 12/1992 Lou D14/357
D338,193 S * 8/1993 Sasaki D14/433
D340,059 S * 10/1993 Wetzel D14/433
D347,593 S * 6/1994 Davis D10/104.1
D351,601 S * 10/1994 Rak D14/242
D352,033 S * 11/1994 Robertson, Jr. D14/188
D357,427 S * 4/1995 Lee D10/104.1
D358,380 S * 5/1995 Sakaguchi D14/357
D359,287 S * 6/1995 Heberling D14/242
D363,064 S * 10/1995 Rogov D14/433
D363,289 S * 10/1995 Kobayashi D14/242
D364,859 S * 12/1995 Fenton D14/357
D365,529 S * 12/1995 Peroni D10/103
D372,024 S * 7/1996 Carlson, Jr. D14/432
D373,316 S * 9/1996 Walters D10/104.1
D374,675 S * 10/1996 Sakai D14/242
D376,329 S * 12/1996 Youabian D10/104.1
D377,645 S * 1/1997 Iwamoto D14/385
D383,454 S * 9/1997 Osit D14/402
D391,942 S * 3/1998 Lee D14/341
D393,480 S * 4/1998 Komuta D14/433
D405,064 S * 2/1999 Iino D14/433
D411,523 S * 6/1999 Talesfore D14/433
D415,131 S * 10/1999 Chang D14/433
D415,704 S * 10/1999 Carroll D10/104.1
D423,503 S * 4/2000 Abdo D14/188
D428,350 S * 7/2000 Weingartner D10/104.1
D433,642 S * 11/2000 Bauman D10/104.1
D434,991 S * 12/2000 Brooks D10/104.1
D445,705 S * 7/2001 Kliegman D10/104.1
D454,084 S * 3/2002 Bogen D10/104.1
D460,452 S * 7/2002 Yoshie D14/358
D471,543 S * 3/2003 Yang D14/240
D472,163 S * 3/2003 Manivone D10/46

D478,086 S * 8/2003 Chuang D14/433
6,769,603 B2 * 8/2004 Nagai et al. G11B 20/10527
235/375
D496,346 S * 9/2004 Fuss D14/188
D501,476 S * 2/2005 Quijano D14/352
D507,273 S * 7/2005 Ibuki D14/433
D509,214 S * 9/2005 Chung D14/240
D535,279 S * 1/2007 Krieger D14/155
D561,617 S * 2/2008 Ishii D10/65
D570,232 S * 6/2008 Kaluza D10/46
D581,303 S * 11/2008 Concari D10/104.1
D585,048 S * 1/2009 Uchimura D14/155
D596,614 S * 7/2009 Wilson D14/188
D596,615 S * 7/2009 Wilson D14/188
D651,103 S * 12/2011 Greenberg D14/358
D688,959 S * 9/2013 Arvidsson D10/75
D705,189 S * 5/2014 Chovin D14/159
D712,761 S * 9/2014 Matsumiya D10/74
D721,349 S * 1/2015 Sugai D14/159
D727,906 S * 4/2015 Neumann D14/358
D743,815 S * 11/2015 Janu et al. D10/46
D752,454 S * 3/2016 Miller D10/50
D788,106 S * 5/2017 Lin D14/356
D788,776 S * 6/2017 Marzette, Jr. D14/358
D789,361 S * 6/2017 Ali D14/358
D791,767 S * 7/2017 Ali D14/358
D798,296 S * 9/2017 Ali D14/358
D805,409 S * 12/2017 Matsumiya D10/62
D806,027 S * 12/2017 Ceravalo D13/110
D809,944 S * 2/2018 Kawahara D10/53

OTHER PUBLICATIONS

Measurement Data Wireless Communication System. U-WAVE.
Mitutoyo Corporation. Catalog No. E12000. <https://www.mitutoyo.co.jp/eng/products/keisokusystem/pdf/U-WAVE.pdf>.

* cited by examiner

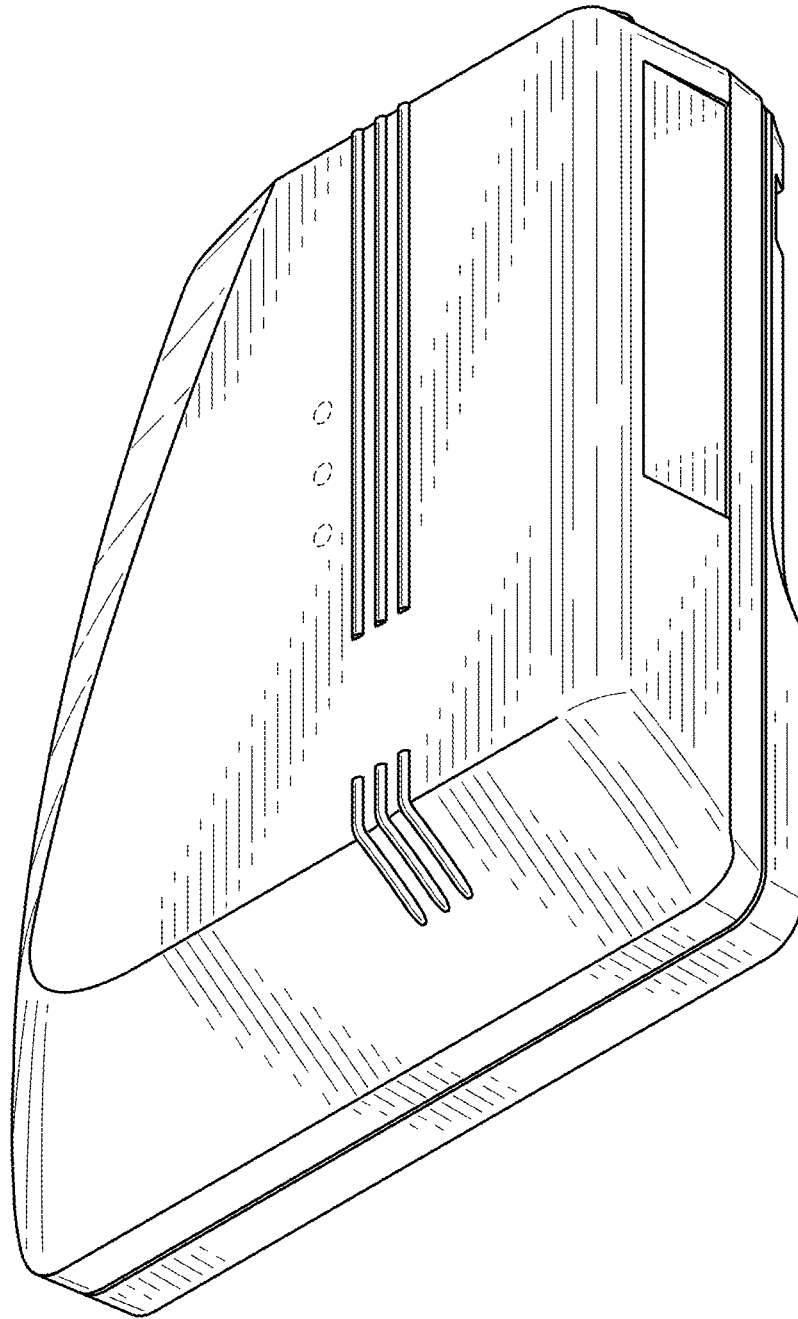


FIG. 1

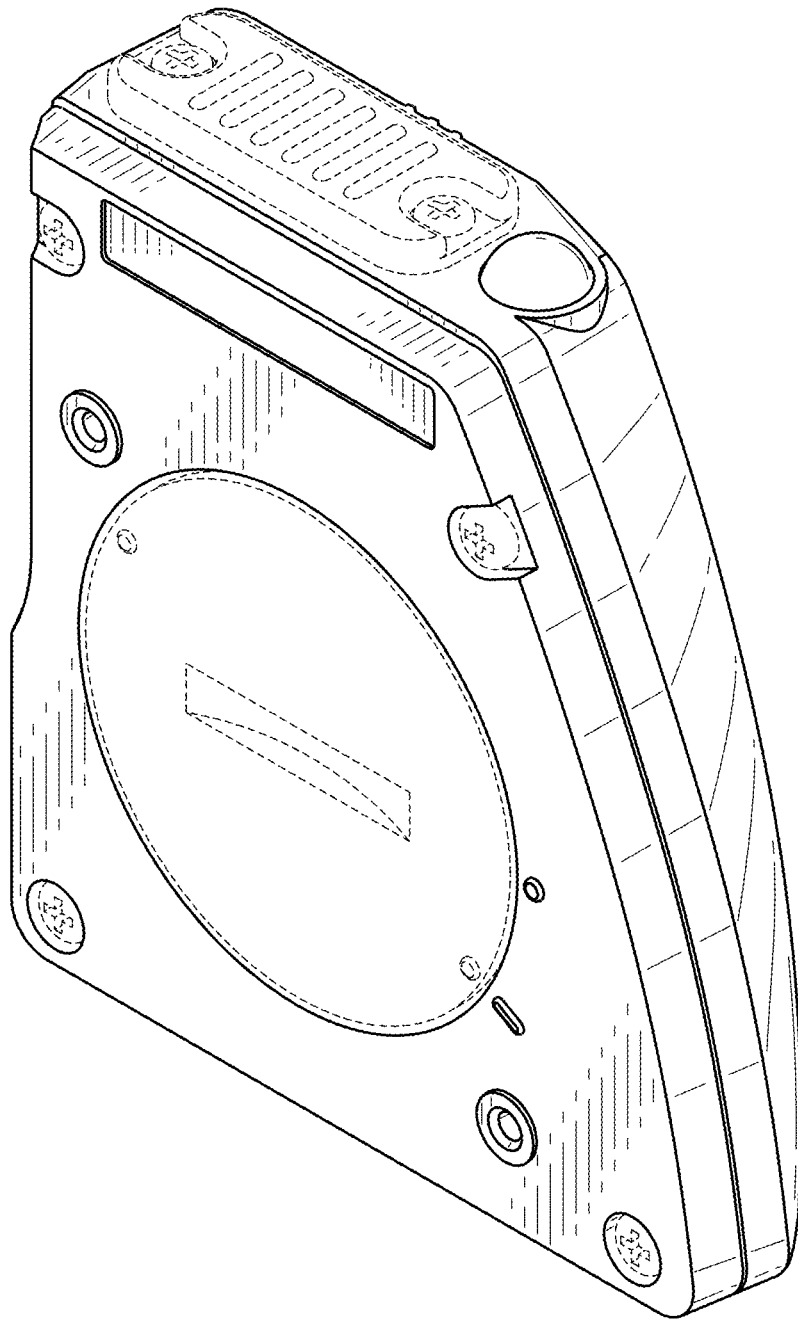


FIG. 2

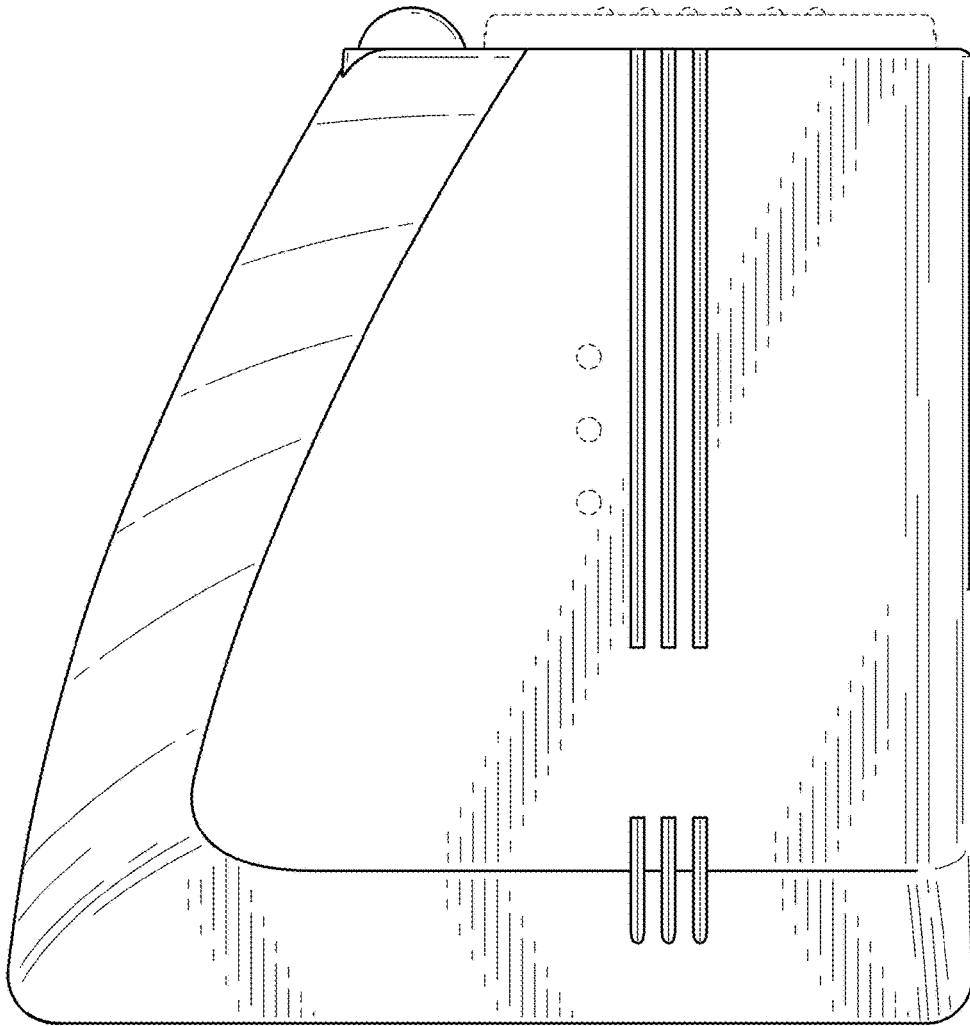


FIG. 3

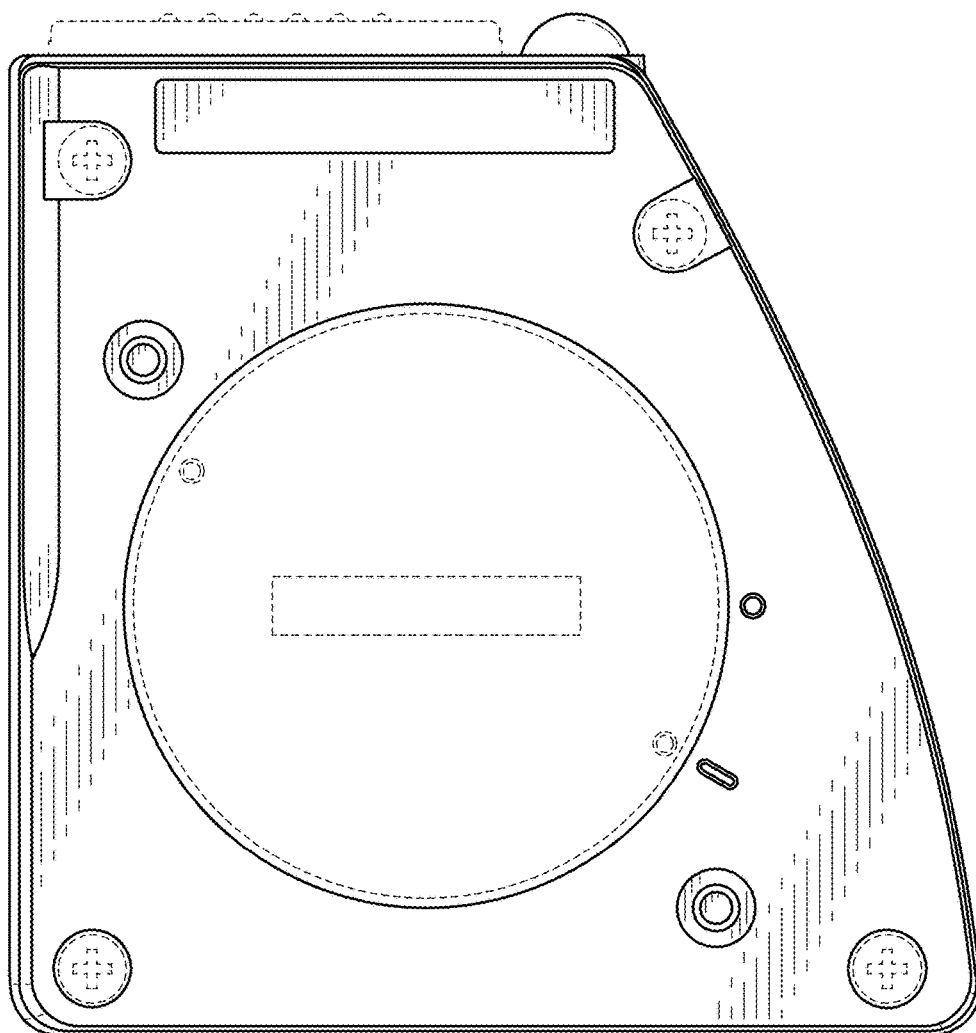


FIG. 4

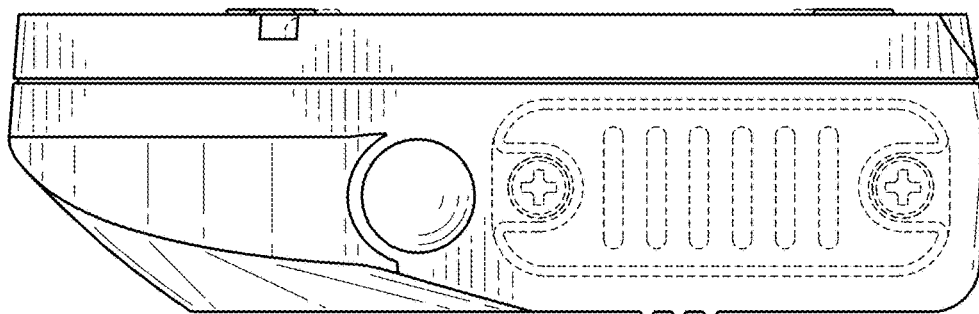


FIG. 5

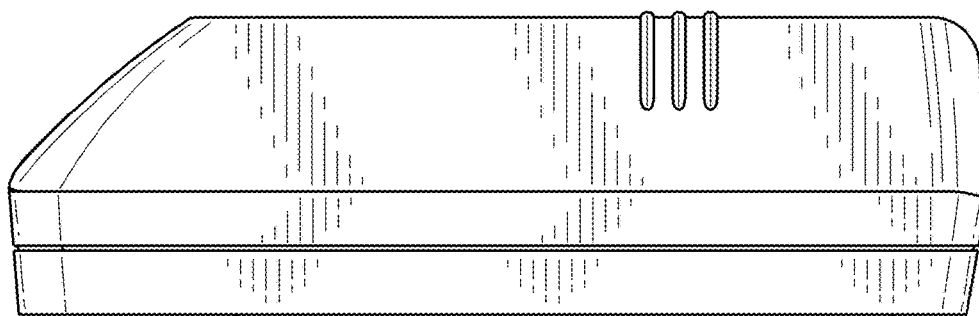


FIG. 6

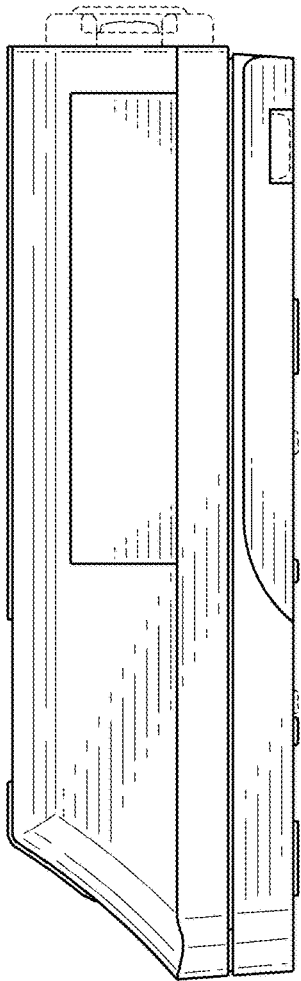


FIG. 7

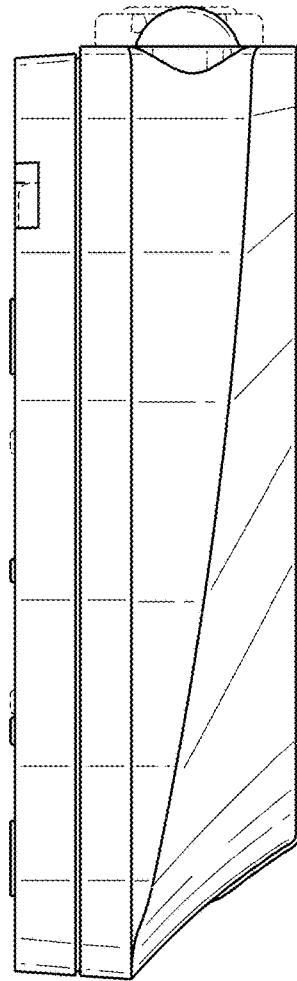


FIG. 8