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Nakagawa et al.

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(54) **CONTROLLER**

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(51) **LOC (10) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D13/168; D14/218**

(58) **Field of Classification Search**
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D16/309

CPC H03J 1/0025; H03J 9/00; H03J 9/02; H03J
9/04; H03J 9/06; H01H 9/0235; H04B
1/202; G02C 11/00; G02C 11/02; G02C
11/04; G02C 11/10; G02B 27/017; G02B
27/0172; G02B 27/0176

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D389,826 S * 1/1998 Cousins D14/135
5,722,762 A * 3/1998 Soll F21L 15/14
362/105
D433,411 S * 11/2000 Kawashima D14/372
6,604,847 B2 * 8/2003 Lehrer F21L 14/00
362/105
D493,150 S * 7/2004 Murtaugh D13/168

6,762,885 B1 * 7/2004 Ogasawara G02B 27/0176
345/8
D494,144 S * 8/2004 Guzman D13/168
D568,827 S * 5/2008 Ikeda D13/168
D571,305 S * 6/2008 Thursfield D13/168
D595,669 S * 7/2009 Endo D13/168
D622,685 S * 8/2010 Garra D14/137
8,123,352 B2 * 2/2012 Matsumoto G02B 27/0176
351/114
D661,282 S * 6/2012 Tatara D14/218
D667,382 S * 9/2012 Cosentino D13/168
D688,232 S * 8/2013 Zhang D14/218
D701,496 S * 3/2014 Namminga D13/168
D720,304 S * 12/2014 Haug D13/168
D723,520 S * 3/2015 Kato D14/218
D748,066 S * 1/2016 Lee D13/168
D752,555 S * 3/2016 Langhammer D14/218

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Primary Examiner — Selina Sikder

(57) **CLAIM**

The ornamental design for a controller, as shown and described.

DESCRIPTION

FIG. 1 is a front, top and right side perspective view of a controller showing our new design;

FIG. 2 is a rear, bottom and left side perspective view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a top plan view thereof;

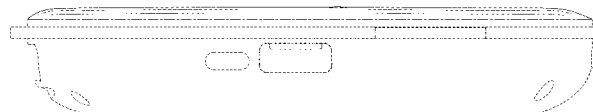
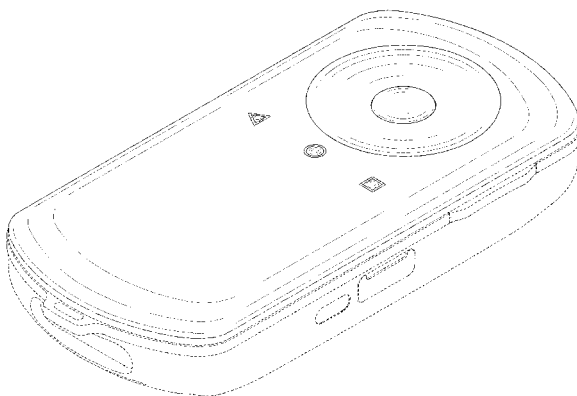
FIG. 6 is a bottom plan view thereof;

FIG. 7 is a right side view thereof; and,

FIG. 8 is a left side view thereof.

The features shown in broken lines in the drawings depict environmental subject matter only and form no part of the claimed design. The dash-dotted lines denote the boundary of the claim and form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D763,830	S *	8/2016	Jones	D14/218
D767,568	S *	9/2016	McWilliam	D14/358
D772,821	S *	11/2016	Bristol	D13/168
2005/0099798	A1 *	5/2005	Cugini	F21L 14/00
				362/105
2007/0253588	A1 *	11/2007	Sanpei	G02C 11/10
				381/381
2010/0007517	A1 *	1/2010	Andrews	G08C 17/02
				340/12.54
2010/0238640	A1 *	9/2010	Yang	H04M 1/236
				361/811
2010/0302502	A1 *	12/2010	Ahn	G02C 11/04
				351/158
2011/0273365	A1 *	11/2011	West	G02B 27/0176
				345/8
2014/0333773	A1 *	11/2014	Davis	H04N 5/2252
				348/158
2015/0261013	A1 *	9/2015	Dobson	G02C 5/143
				351/43
2016/0147072	A1 *	5/2016	Yamazaki	G06F 1/163
				345/8
2016/0238842	A1 *	8/2016	Sendai	G02B 27/0176
2016/0309143	A1 *	10/2016	Fu	H04N 13/0497
2017/0011555	A1 *	1/2017	Li	G06T 1/60
2017/0076589	A1 *	3/2017	Wengreen	G08C 17/02
2017/0090198	A1 *	3/2017	Takagi	G02B 27/0172

* cited by examiner

Fig.1

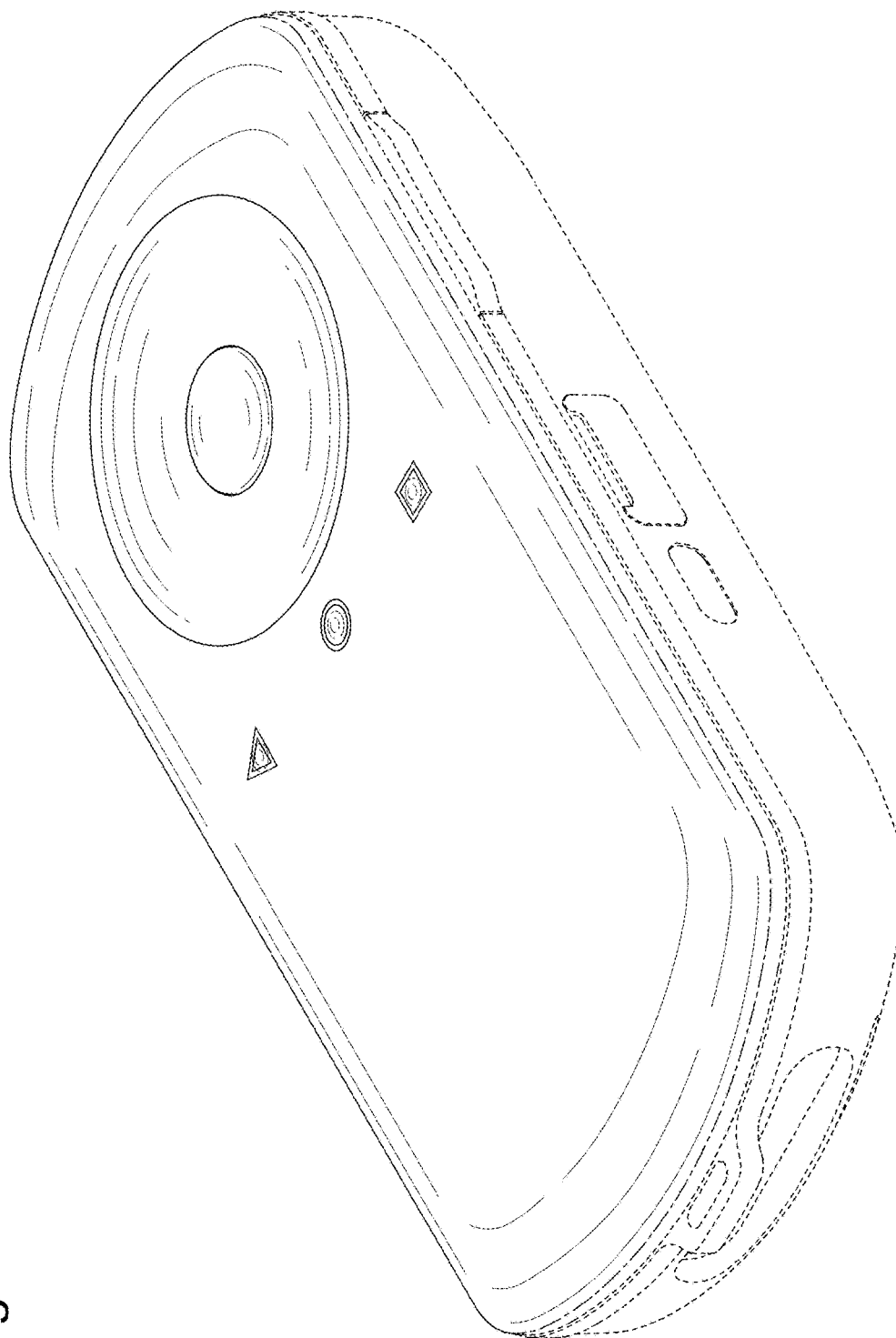


Fig.2

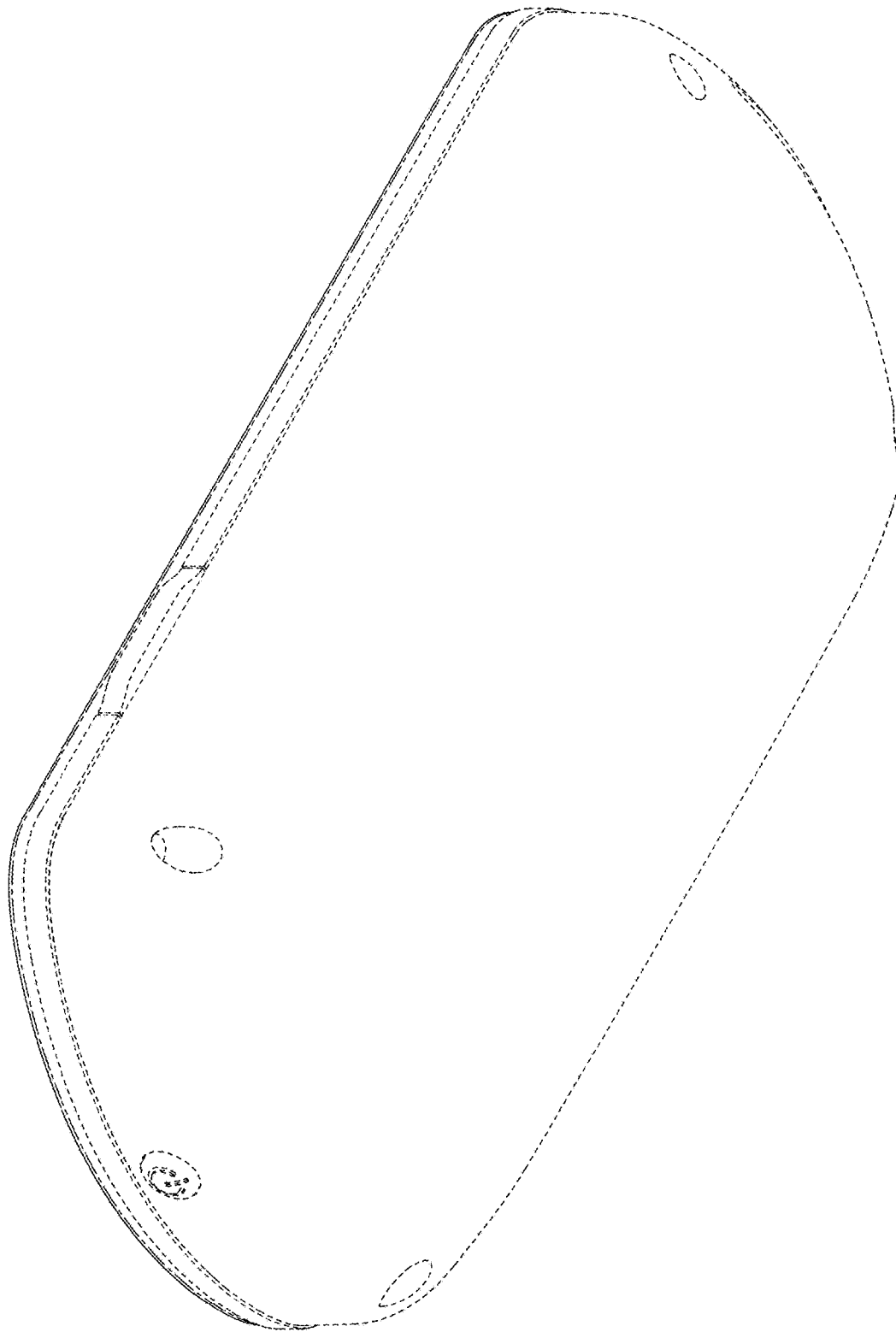


Fig.3

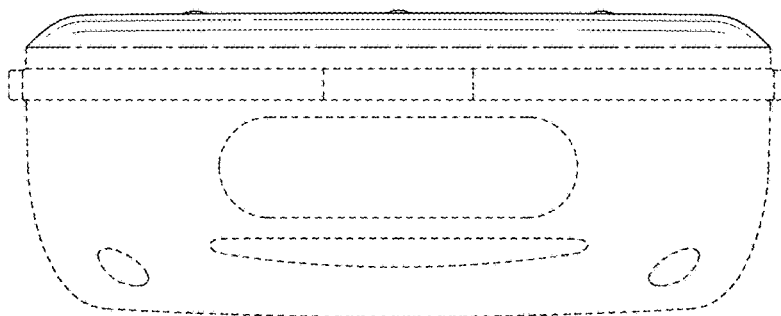


Fig.4

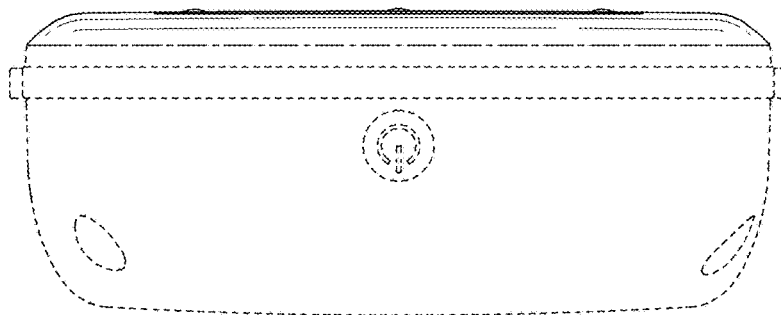


Fig.5

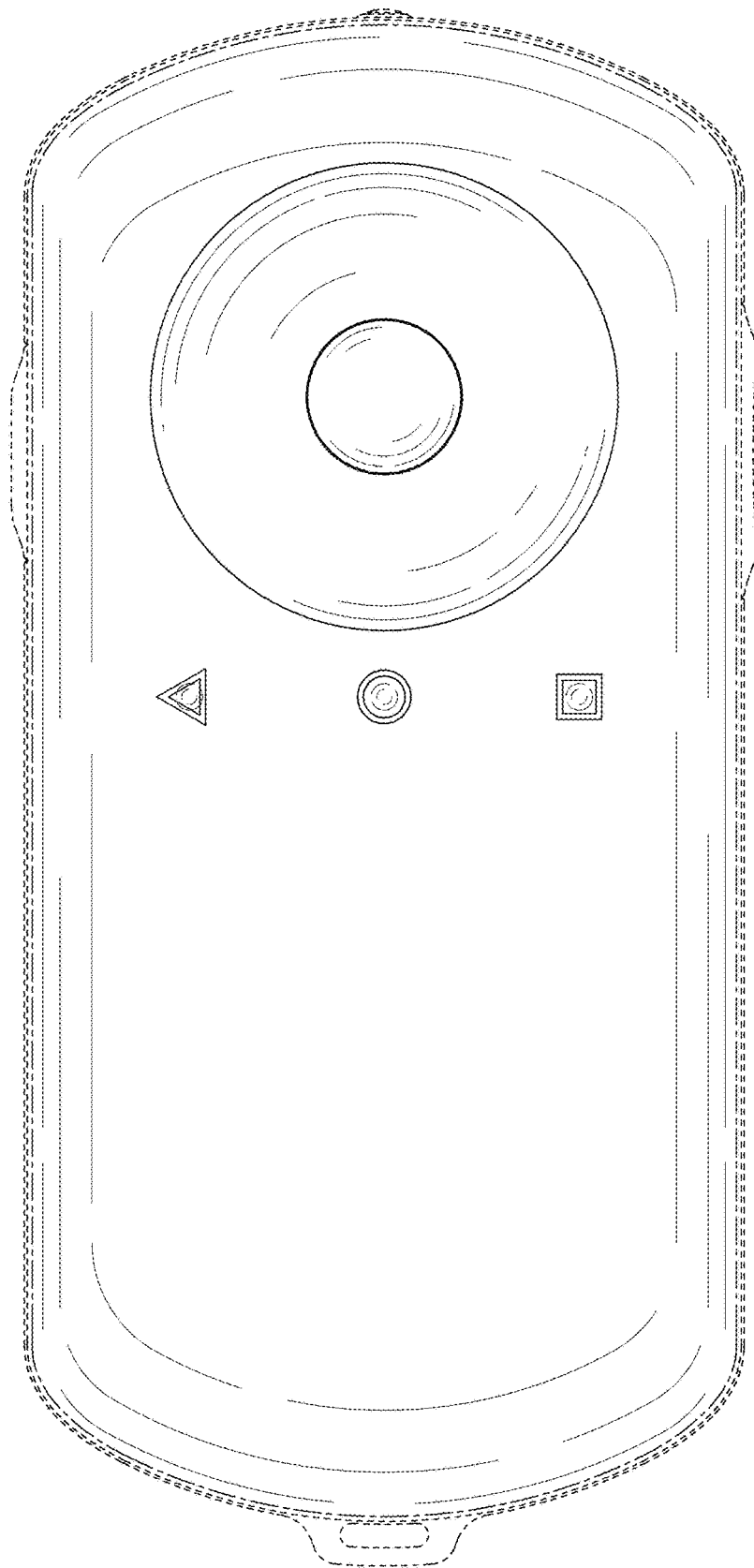


Fig.6

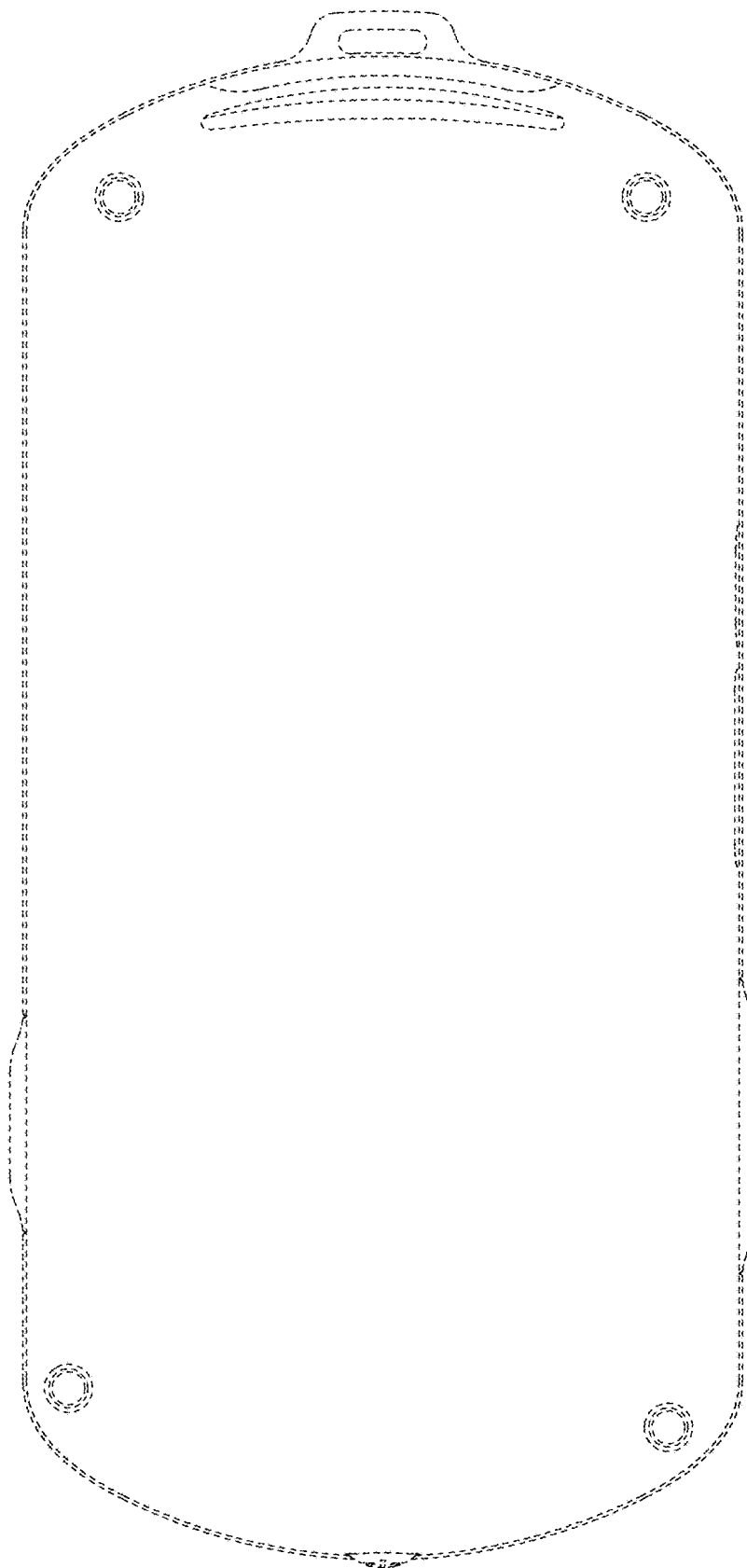


Fig.7

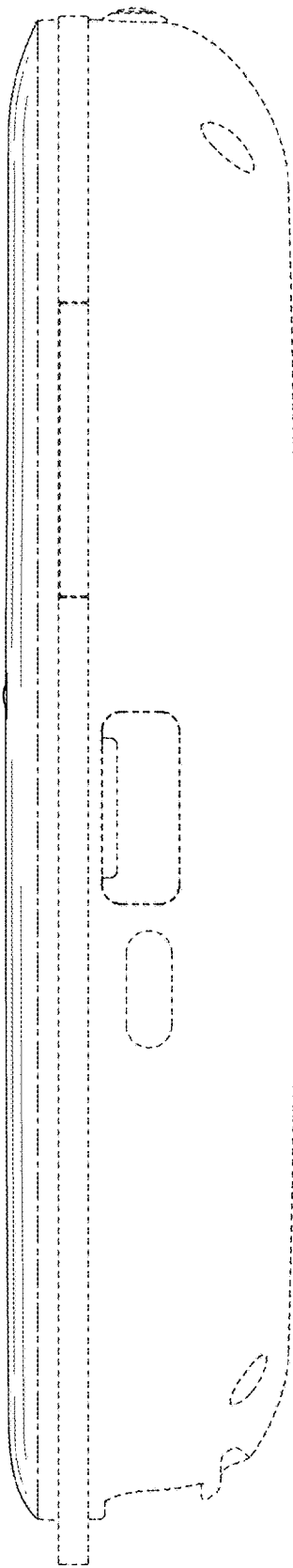


Fig.8

