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

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- (54) **POWER ENERGY LOGGER**
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- (**) Term: **15 Years**
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- (22) Filed: **Nov. 25, 2020**
- (30) **Foreign Application Priority Data**

6,789,030	B1 *	9/2004	Coyle	G01D 9/005
					702/182
6,832,521	B1 *	12/2004	Courtney	.....	G01M 13/028
					73/593
D532,420	S *	11/2006	Oikawa	.....	D14/358
D711,754	S *	8/2014	Kummer	.....	D10/78
D742,333	S *	11/2015	Engblom	.....	D13/162
D797,585	S *	9/2017	Umezawa	.....	D10/76
D797,586	S *	9/2017	Umezawa	.....	D10/76
D838,611	S *	1/2019	Xie	.....	D10/78
D846,413	S *	4/2019	Wang	.....	D10/78
D848,877	S *	5/2019	Umezawa	.....	D10/76
10,281,493	B1 *	5/2019	Clegg	.....	G01R 1/206
D850,299	S *	6/2019	Zhang	.....	D10/52
10,497,226	B2 *	12/2019	Zhong	.....	G01R 19/16561
D891,946	S *	8/2020	Song	.....	D10/52
2008/0023310	A1 *	1/2008	Chong	H01H 9/0214
					200/336
2010/0256956	A1 *	10/2010	Desmet	G01H 1/00
					702/190

(Continued)

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- (51) **LOC (13) Cl.** **10-04**
- (52) **U.S. Cl.**
USPC **D10/76**
- (58) **Field of Classification Search**
USPC D10/75, 76, 78; D14/358, 356
CPC A61B 2560/0271; A61B 2560/0431; G06Q
10/10; G06Q 20/30; G06Q 20/305; G06Q
20/32; G06Q 20/322; G06Q 20/3221;
G06Q 20/3223; G06Q 20/3224; G06Q
20/3226; G06Q 20/3227; G06Q 20/3229;
G06Q 20/325; G06Q 20/3255; G01R
15/12; G01R 19/25; G01D 9/005; G06K
7/10881

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 5,530,373 A * 6/1996 Gibson G01R 13/345
324/115
- 5,834,935 A * 11/1998 Lyford H01M 50/213
324/156

OTHER PUBLICATIONS

“Optimize Your Energy Efficiency with the PEL100”; www.pel100.com; Chauvin Arnoux Group; Apr. 2017; 4 pages.

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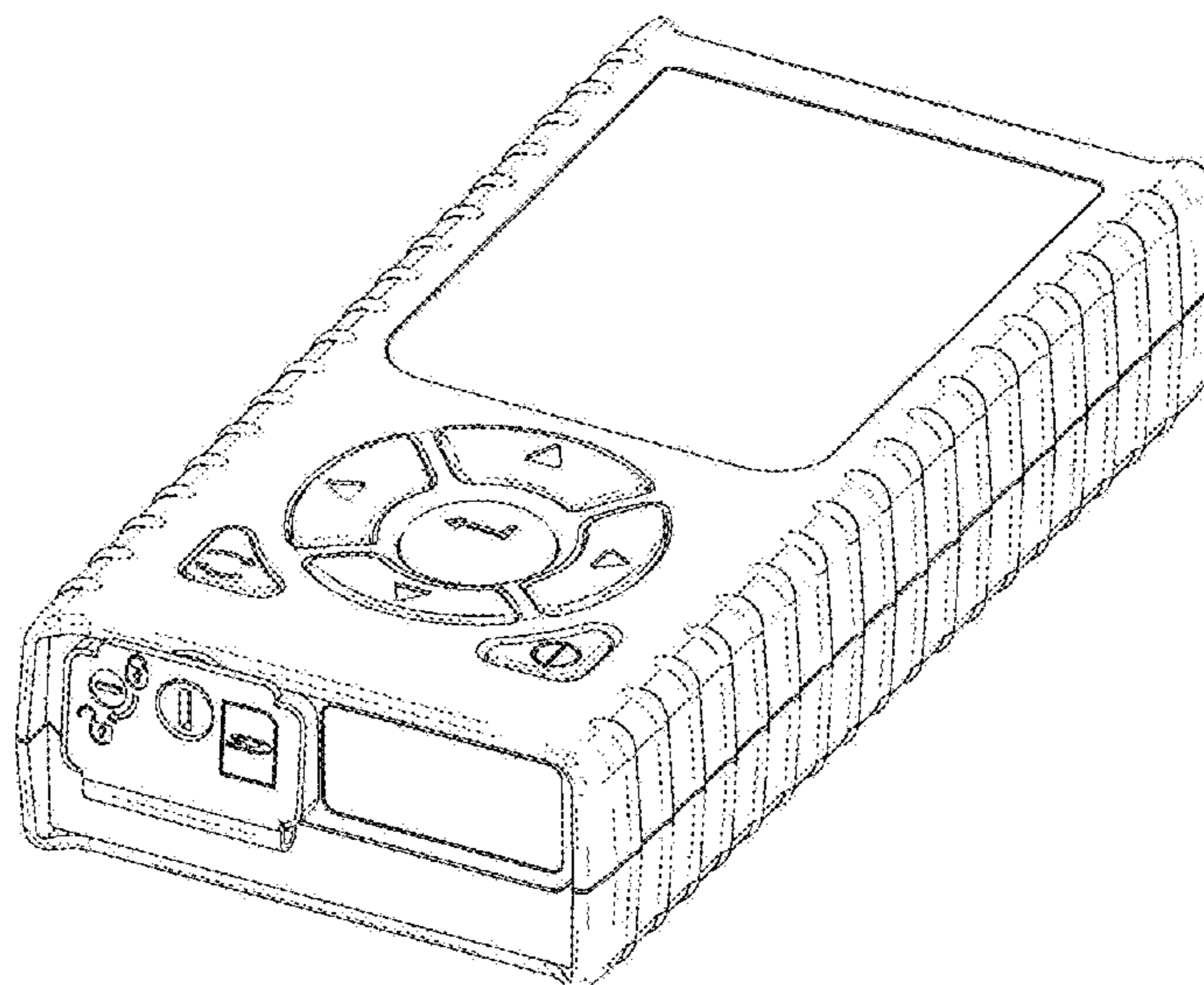
(57) **CLAIM**

I claim the ornamental design for a power energy logger, as shown and described herein.

DESCRIPTION

FIG. 1 is a front elevation view thereof;
FIG. 2 is a left side elevation view thereof;
FIG. 3 is a right side elevation view thereof;
FIG. 4 is a top plan view thereof;
FIG. 5 is a bottom plan view thereof;
FIG. 6 is a rear elevation view thereof; and,
FIG. 7 is a perspective view thereof.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2011/0089243 A1* 4/2011 He G06K 7/10891
235/462.48
2014/0002059 A1* 1/2014 Heishi G01R 1/04
324/115
2014/0267753 A1* 9/2014 Epperson G01D 5/39
348/160
2015/0149122 A1* 5/2015 Cipri G05B 23/0272
702/190
2016/0116506 A1* 4/2016 Ringsrud G01R 15/207
324/251
2019/0346484 A1* 11/2019 Worones G01R 1/07
2020/0072872 A1* 3/2020 Chen G01R 15/18
2021/0327228 A1* 10/2021 Silva G08B 5/36

* cited by examiner

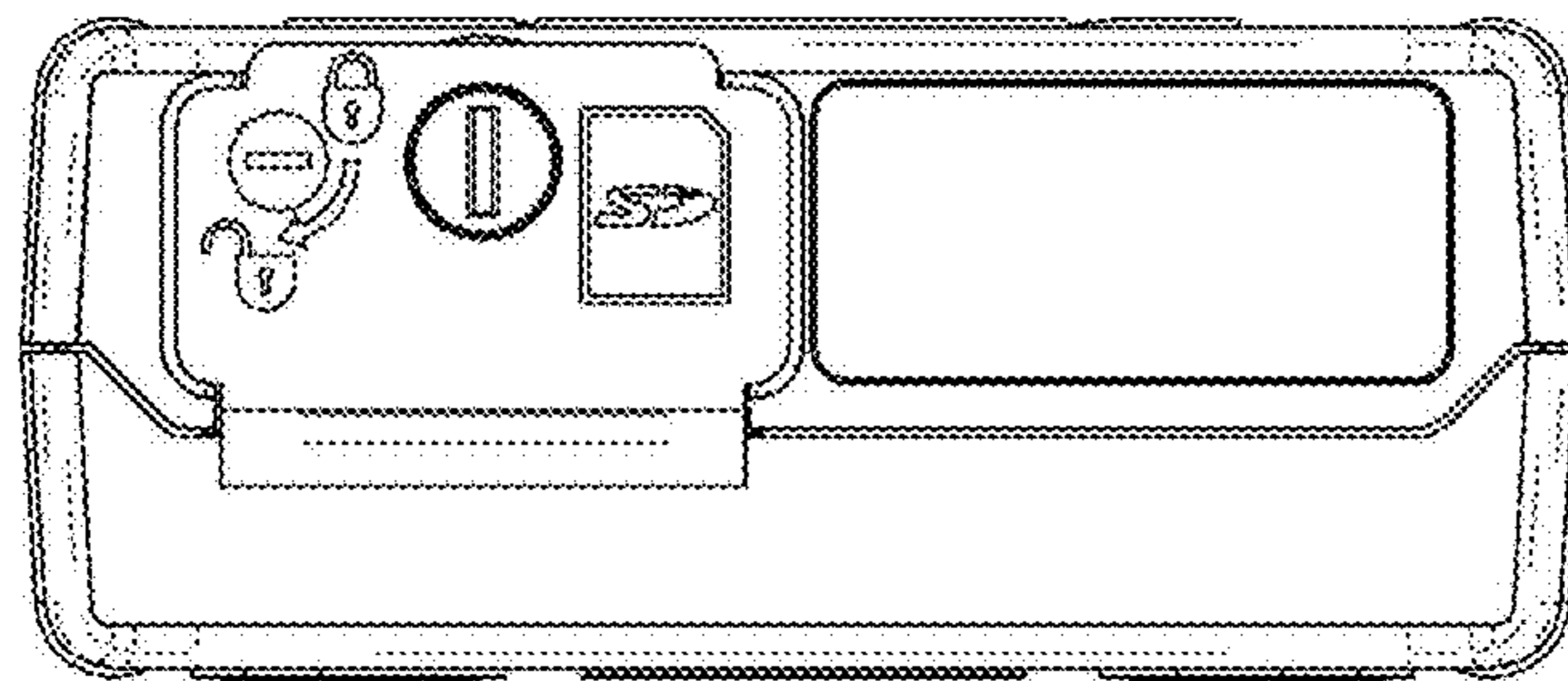


FIG. 1

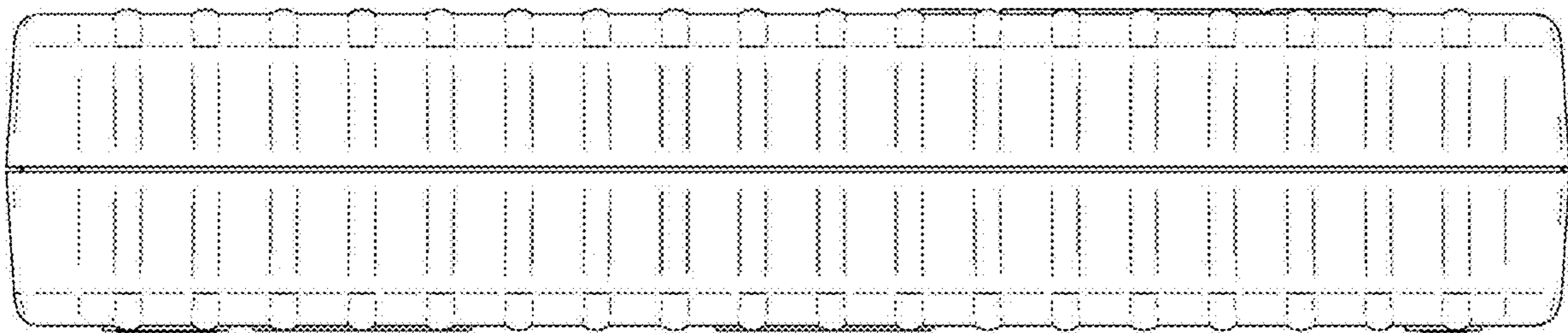


FIG. 2

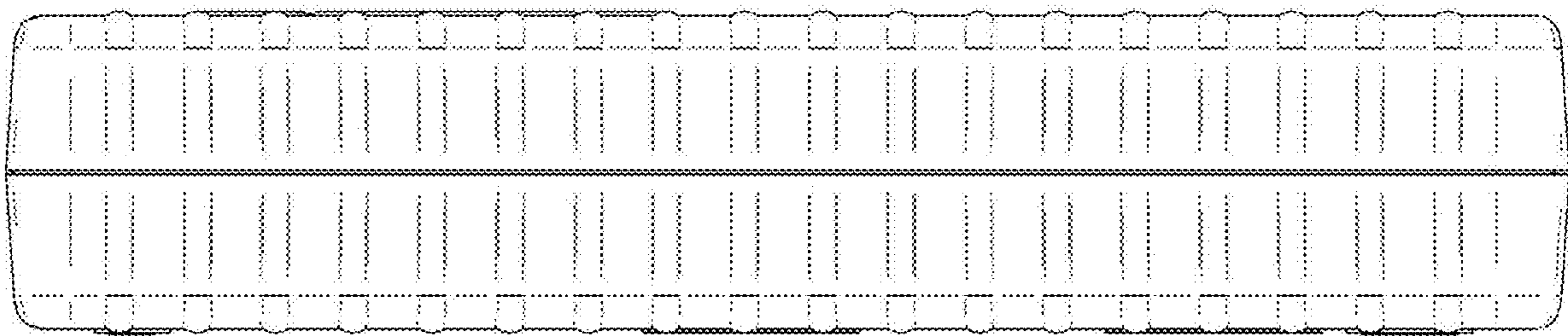


FIG. 3

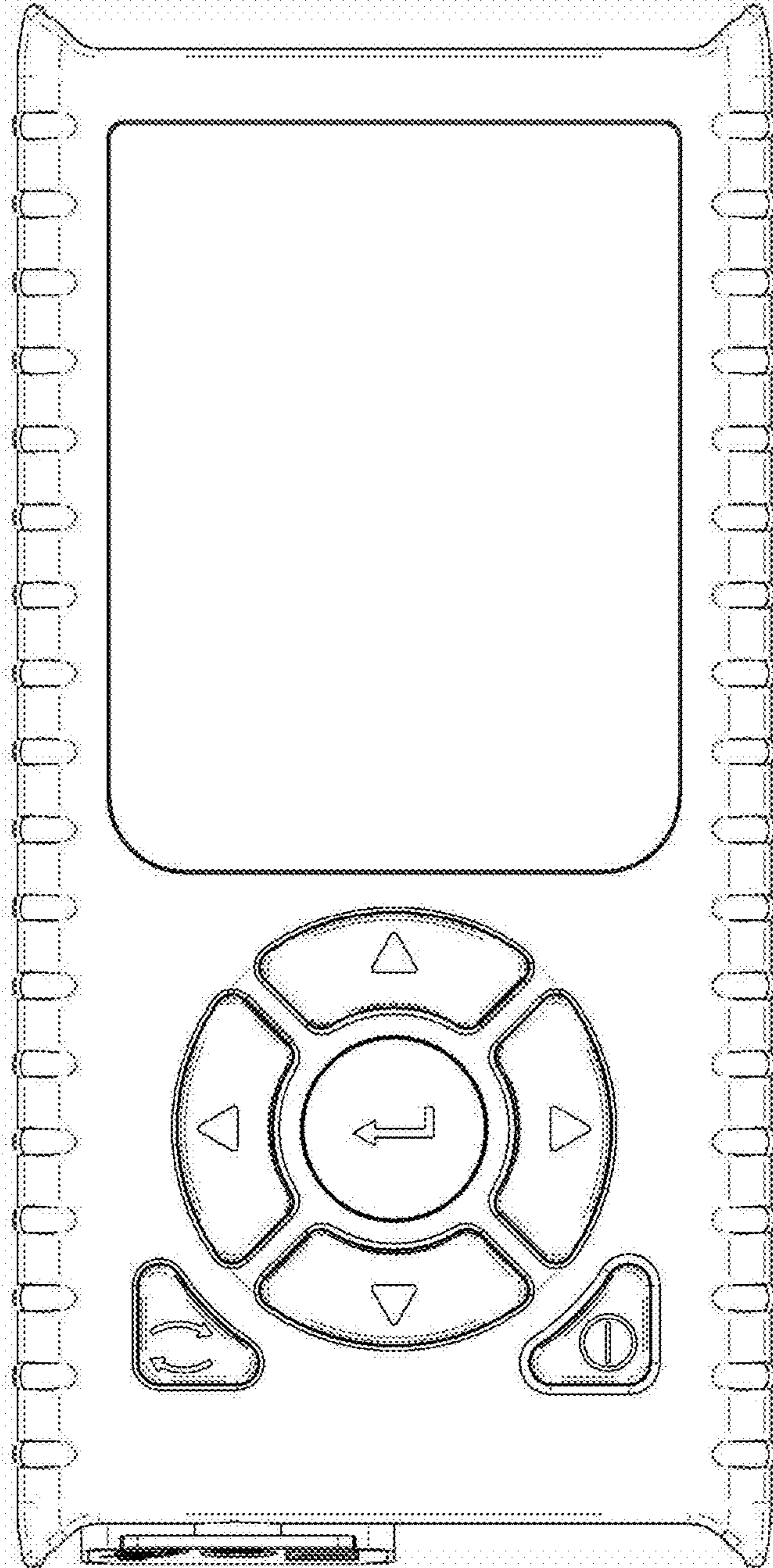


FIG. 4

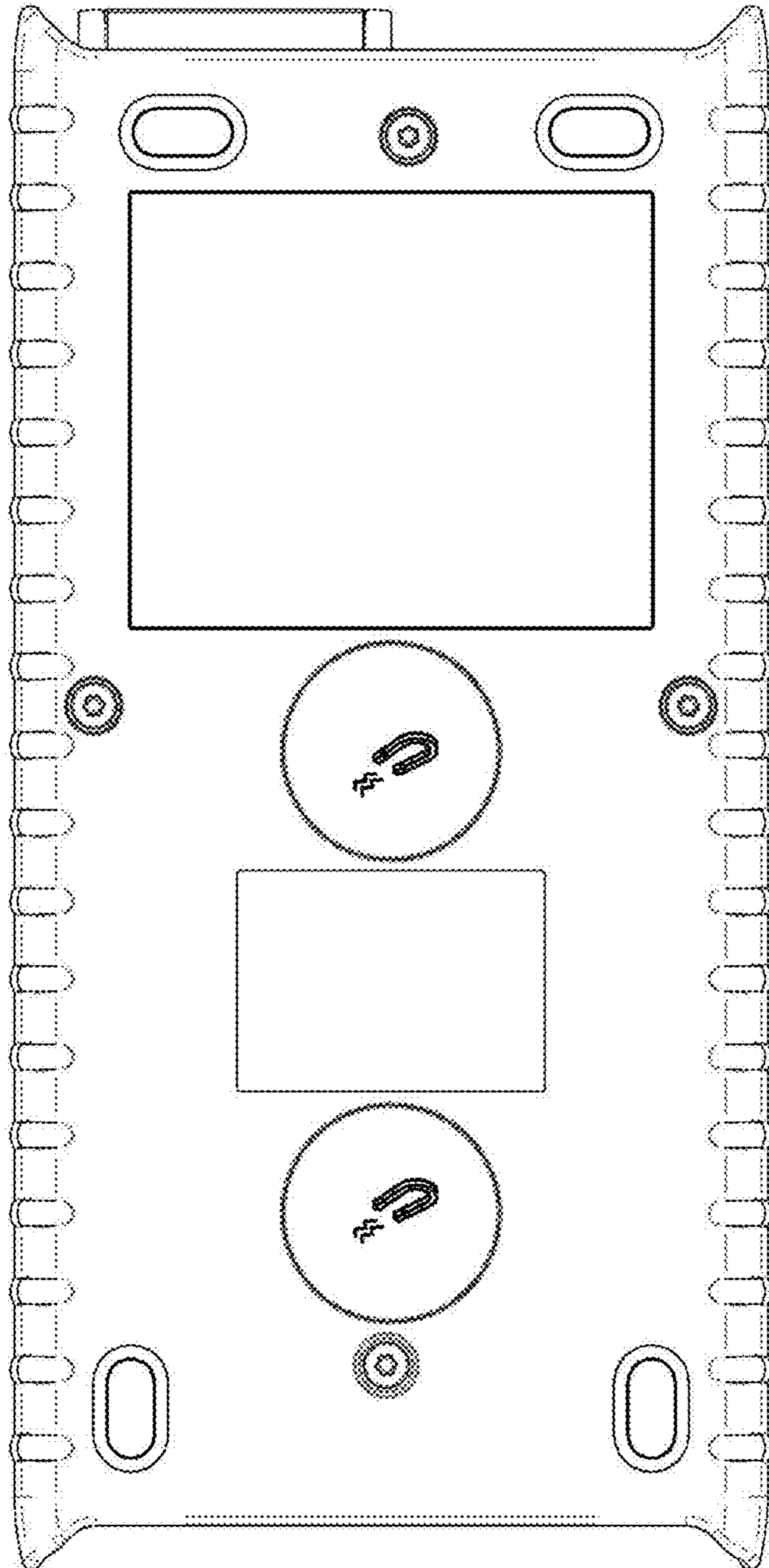


FIG. 5

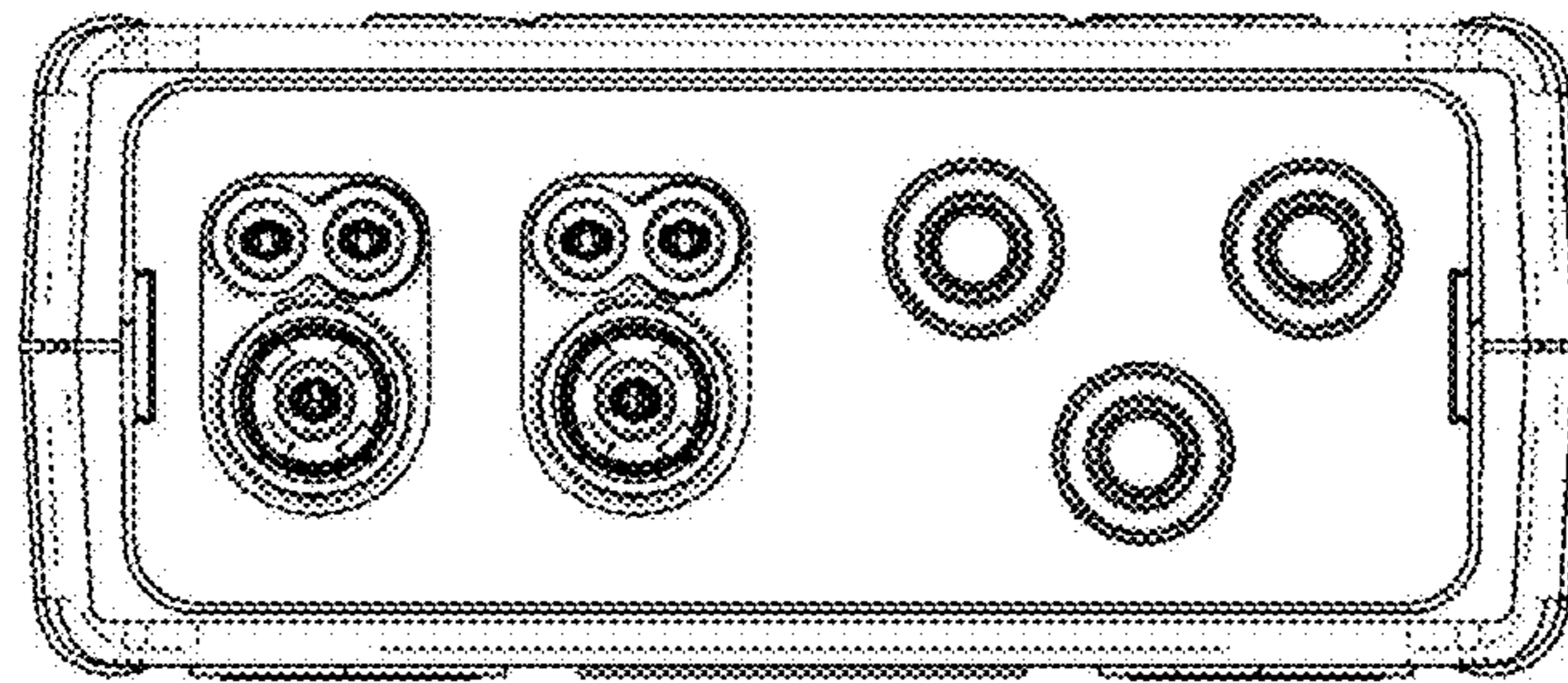


FIG. 6

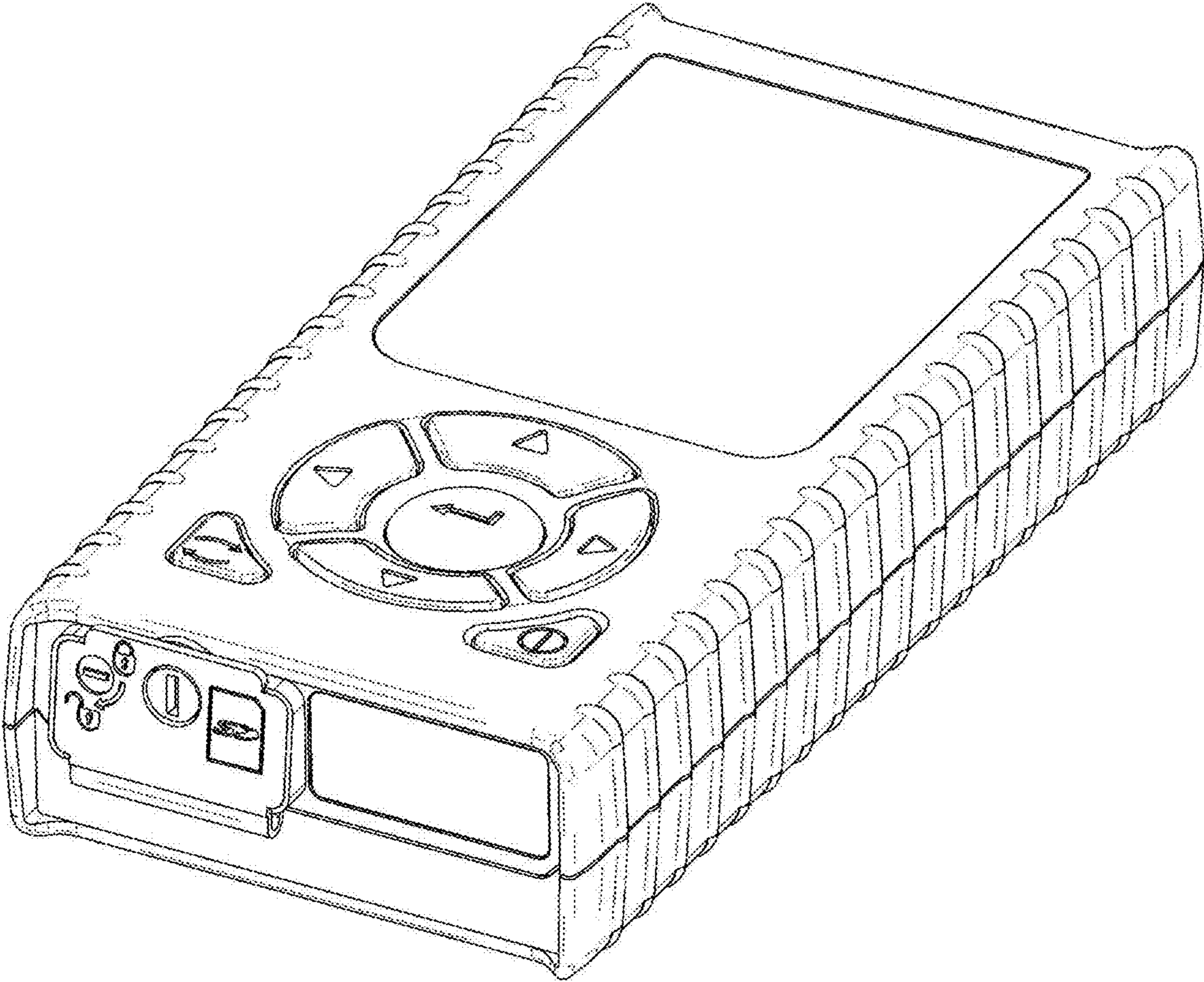


FIG. 7