



US00D844570S

(12) **United States Design Patent** (10) **Patent No.:** **US D844,570 S**
Kornacki et al. (45) **Date of Patent:** **** Apr. 2, 2019**

(54) **BUILDING AUTOMATION DEVICE**

G05D 23/1931; G02F 1/33308; H01H 9/02; H05B 37/02

See application file for complete search history.

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(56)

References Cited

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U.S. PATENT DOCUMENTS

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

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(51) **LOC (11) Cl.** **13-03**

(52) **U.S. Cl.**

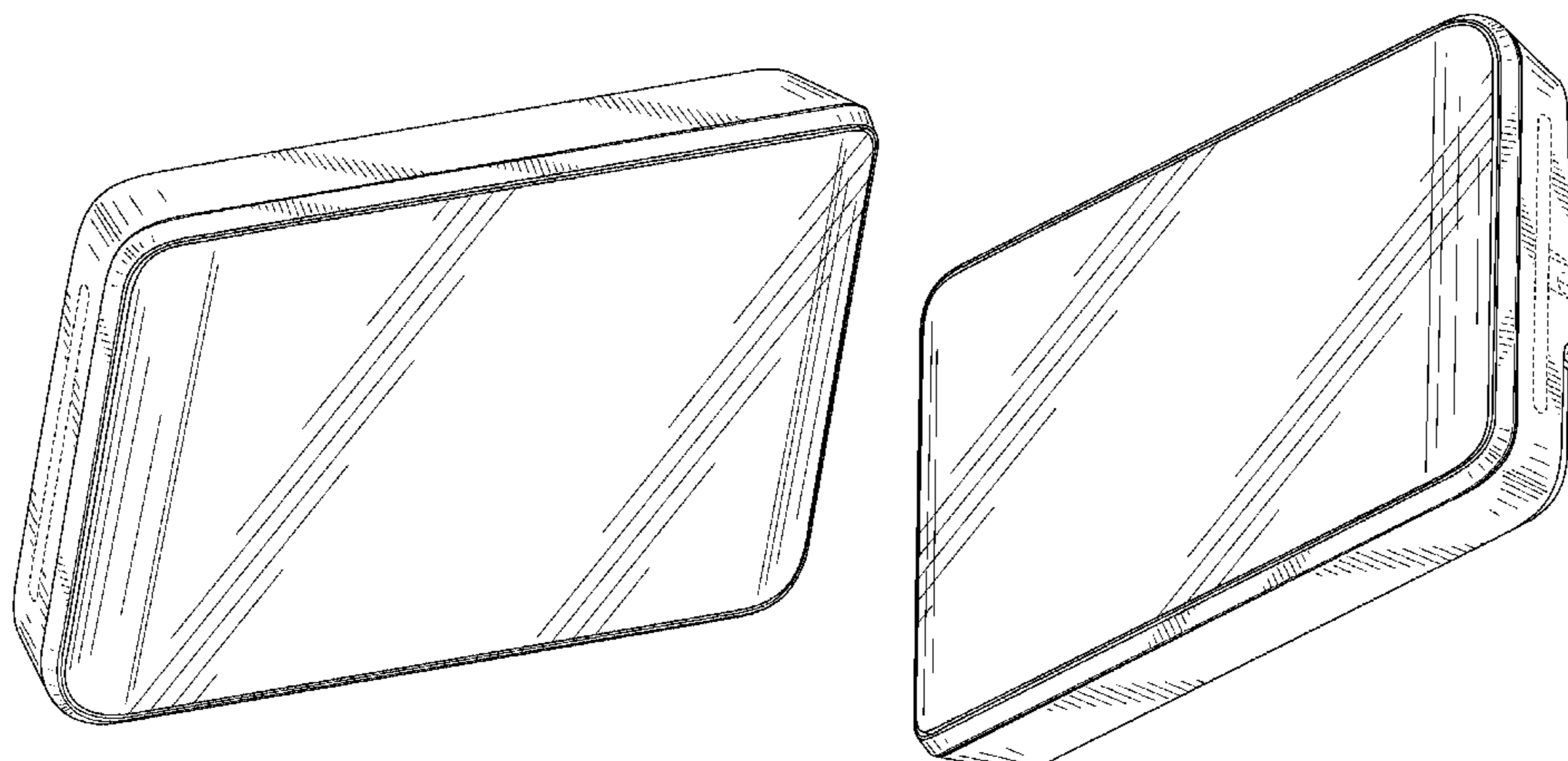
USPC **D13/162**; D13/168; D10/50

(58) **Field of Classification Search**

USPC D13/162, 168; D10/49, 50, 104.1, 106.1, D10/106.95; D14/218, 336, 341, 371, D14/375

CPC F24F 11/00; F24F 11/0012; F24F 11/0086; F24F 11/0009; F24F 2011/0057; F24F 2011/0073; F24F 2011/0091; G05B 19/0426; G05B 19/409; G05B 15/02; G06F 1/1601; G06F 3/041; G06F 3/044; G06F 3/0482; G06F 3/0488; G06F 3/0489; G05D 23/1902; G05D 23/1905;

1,664,171 A	3/1928	Hicks	
1,871,008 A	8/1932	Rentz	
2,954,456 A	9/1960	Calhoun et al.	
3,050,866 A	8/1962	Macemon	
3,165,624 A	1/1965	Cunningham	
3,294,158 A	12/1966	Baljet	
3,359,965 A	12/1967	Milligan	
3,408,480 A	10/1968	Peltak et al.	
3,448,243 A	6/1969	Ripple	
3,488,475 A	1/1970	Gronwoldt	
3,543,003 A	11/1970	Dincher et al.	
3,588,774 A	6/1971	Caveney	
3,596,058 A	7/1971	Steiner	
3,627,984 A	12/1971	Bollinger	
3,737,624 A	6/1973	Eilenberger	
3,876,469 A	4/1975	Schimke	
4,273,990 A	6/1981	Steiner et al.	
4,311,898 A	1/1982	McMillan	
4,430,521 A	2/1984	Ofield et al.	
4,467,179 A	8/1984	Ali et al.	
4,761,537 A	8/1988	Hayes	
5,105,730 A	4/1992	Smith	
D333,574 S *	3/1993	Ackeret	D6/300
5,597,033 A	1/1997	Cali	
5,825,973 A	10/1998	Lehoe et al.	
5,884,690 A	3/1999	Zussman et al.	
5,963,708 A	10/1999	Wong	
6,085,985 A	7/2000	Laselva	
6,207,236 B1	3/2001	Araki et al.	
D518,744 S	4/2006	Rosen	
D556,061 S	11/2007	Rosen	
D560,686 S	1/2008	Kim	
D582,802 S	12/2008	Branson et al.	
D592,982 S	5/2009	Burt et al.	
D606,537 S *	12/2009	Ferrari	D14/341
7,789,129 B1	9/2010	Barden	
D637,992 S *	5/2011	Tom	D14/138 G
D648,641 S	11/2011	Wallaert et al.	
D648,642 S	11/2011	Wallaert et al.	
D652,034 S *	1/2012	Ferrari	D14/341
8,149,222 B2 *	4/2012	Hsieh	G06F 3/041 345/173
D666,198 S *	8/2012	Van Den Nieuwenhuizen	D14/341
D666,510 S	9/2012	Beland et al.	



KR	300559937.0000	4/2010
KR	300563103.0000	5/2010
KR	300563104.0000	5/2010
KR	300597072.0000	4/2011
KR	300597075.0000	4/2011
KR	300597078.0000	4/2011
KR	300597085.0000	4/2011
KR	300597095.0000	4/2011
KR	300597103.0000	4/2011
KR	300597104.0000	4/2011
KR	300597105.0000	4/2011
KR	300597106.0000	4/2011
KR	300597109.0000	4/2011
KR	300743169.0000	5/2014
KR	300788997.0000	3/2015
KR	300803551.0000	6/2015
KR	300810461.0000	8/2015
WO	WO- D075763-002	3/2011
WO	WO- D088823-003	11/2015

FIG. 2 is a bottom, front, right perspective view thereof;
 FIG. 3 is a front view thereof;
 FIG. 4 is a rear view thereof;
 FIG. 5 is a right side view thereof;
 FIG. 6 is a left side view thereof;
 FIG. 7 is a top view thereof;
 FIG. 8 is a bottom view thereof;
 FIG. 9 is a top, front, left perspective view of an embodiment of the claimed design;
 FIG. 10 is a bottom, front, right perspective view thereof;
 FIG. 11 is a front view thereof;
 FIG. 12 is a rear view thereof;
 FIG. 13 is a right side view thereof;
 FIG. 14 is a left side view thereof;
 FIG. 15 is a top view thereof;
 FIG. 16 is a bottom view thereof;
 FIG. 17 is a top, front, left perspective view of an embodiment of the claimed design;
 FIG. 18 is a bottom, front, right perspective view thereof;
 FIG. 19 is a front view thereof;
 FIG. 20 is a rear view thereof;
 FIG. 21 is a right side view thereof;
 FIG. 22 is a left side view thereof;
 FIG. 23 is a top view thereof; and,
 FIG. 24 is a bottom view thereof.

OTHER PUBLICATIONS

Notice of Allowance for U.S. Appl. No. 29/602,691, dated Apr. 18, 2018, 8 pages.

Extended Search Report for European Application No. 17186332.7, dated Jan. 30, 2018, 8 pages.

* cited by examiner

Primary Examiner — Selina Sikder
 (74) *Attorney, Agent, or Firm* — Foley & Lardner LLP

(57) **CLAIM**

We claim the ornamental design for a building automation device, as shown and described.

DESCRIPTION

FIG. 1 is a top, front, left perspective view of an embodiment of the claimed design;

In the drawings the broken lines depict portions of building automation device that form no part the claimed design. The broken lines immediately adjacent to shaded surfaces form a boundary of the claim. The building automation device is shown broken away in FIGS. 17-24 of the drawing to indicate indeterminate length, it being understood that it has a uniform shape and appearance through its length.

1 Claim, 18 Drawing Sheets

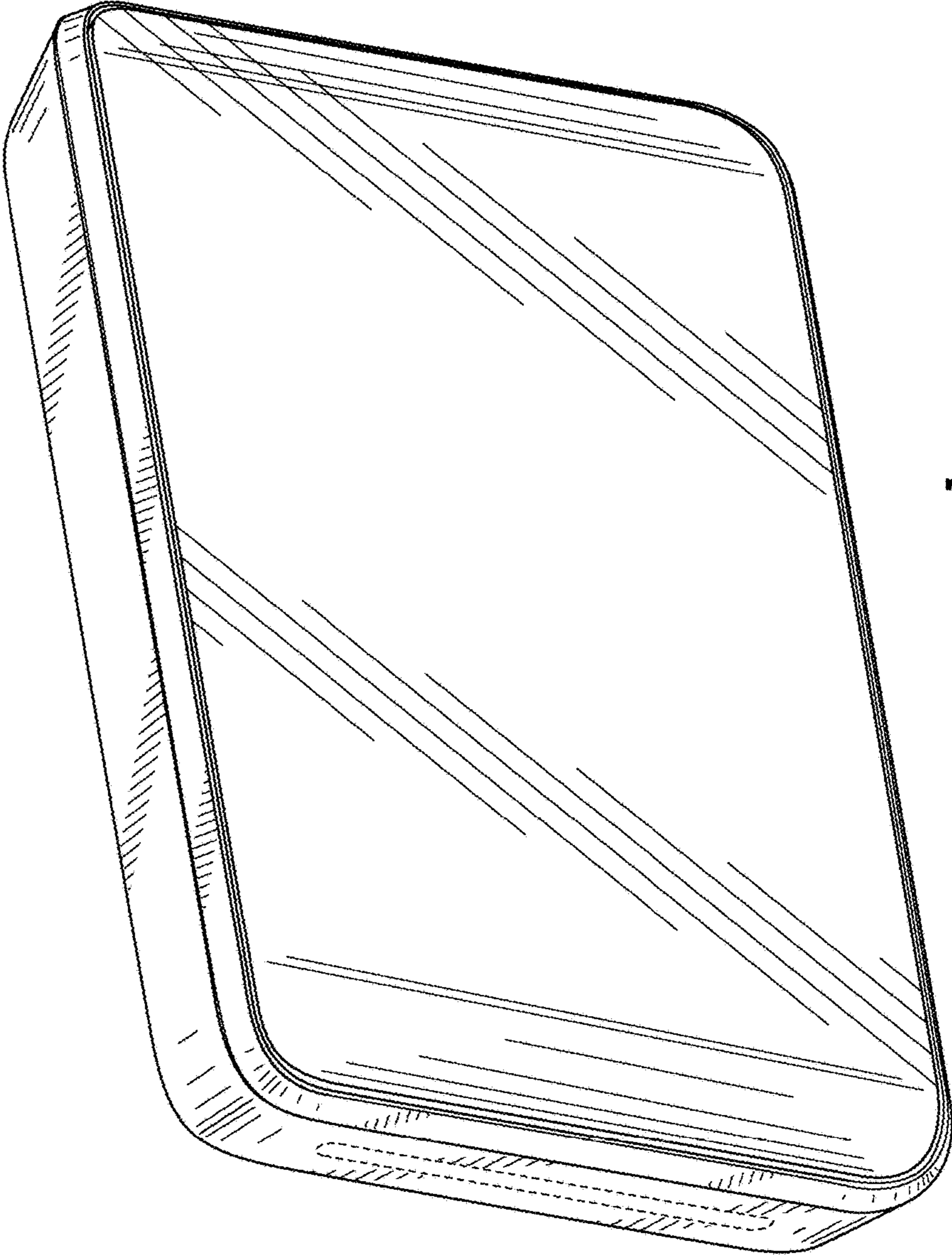


FIG. 1

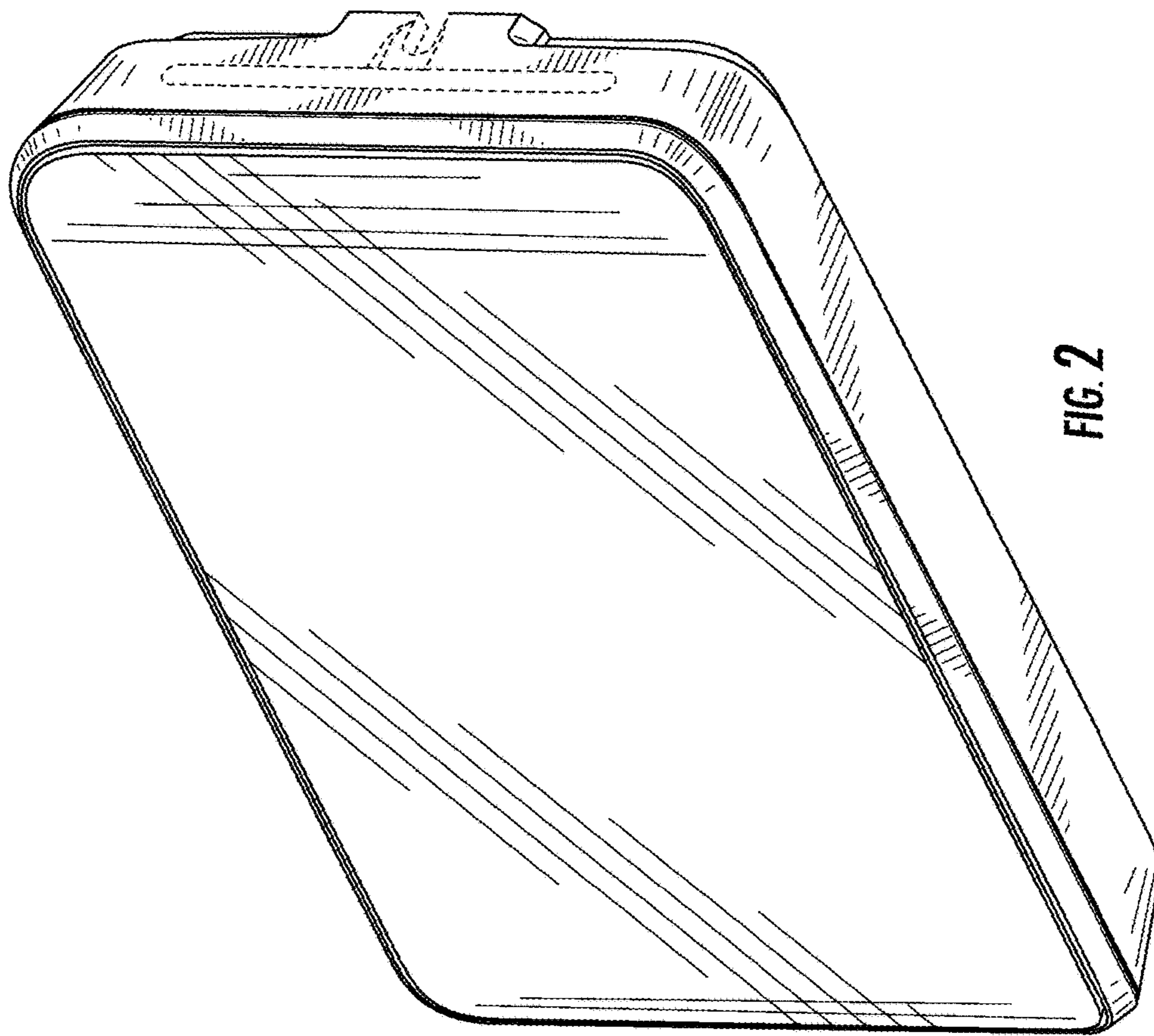


FIG. 2

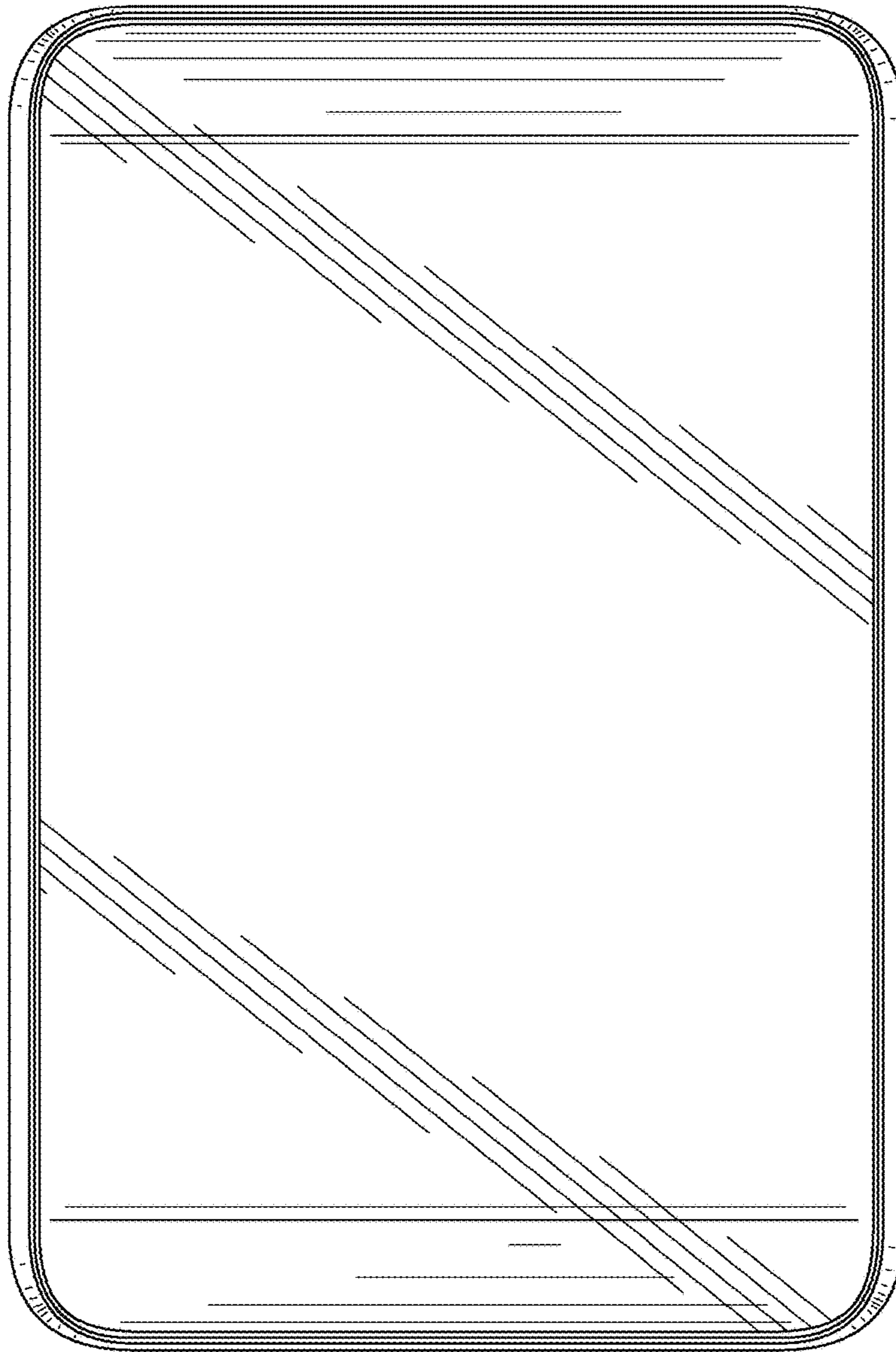


FIG. 3

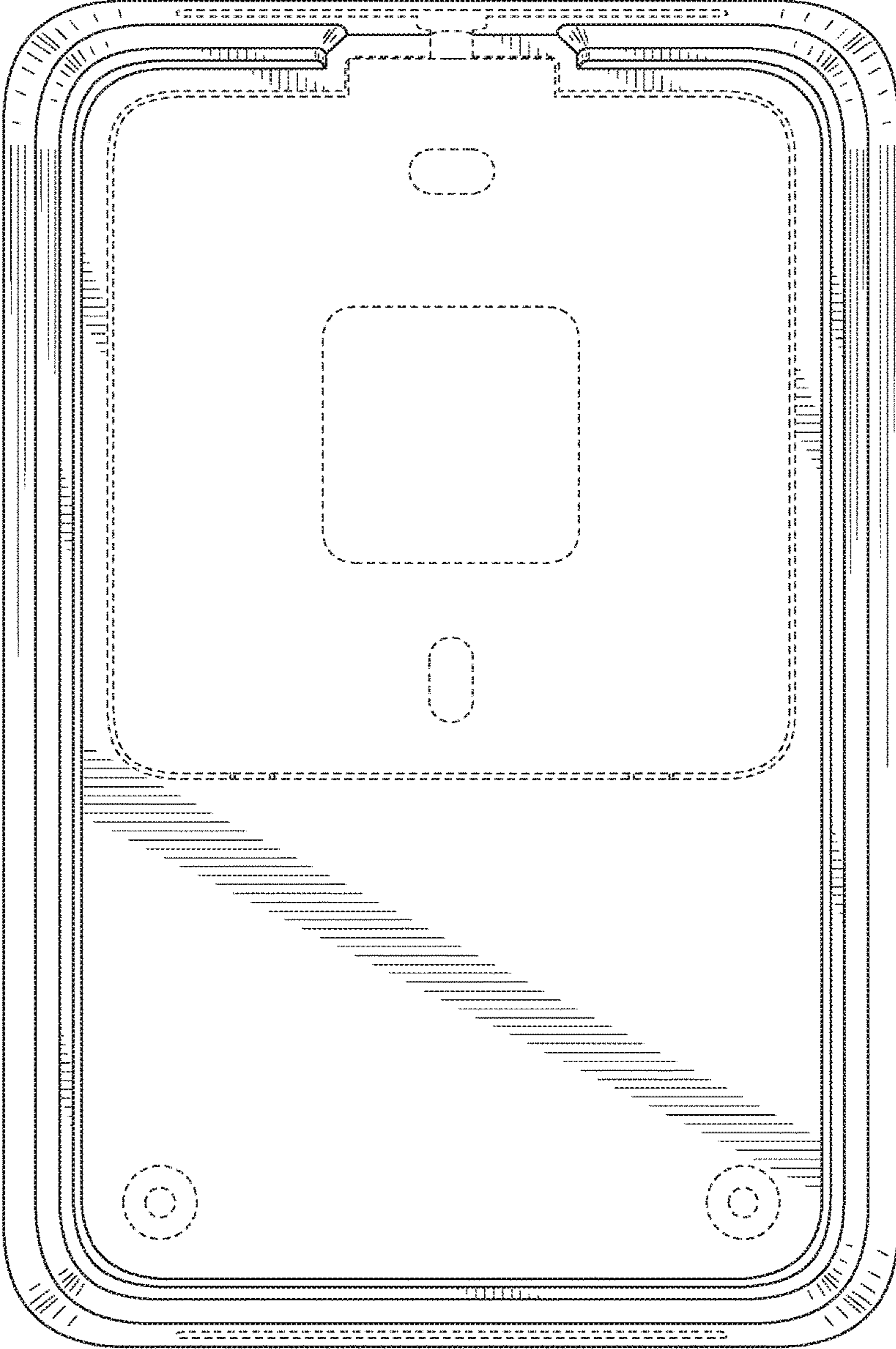


FIG. 4

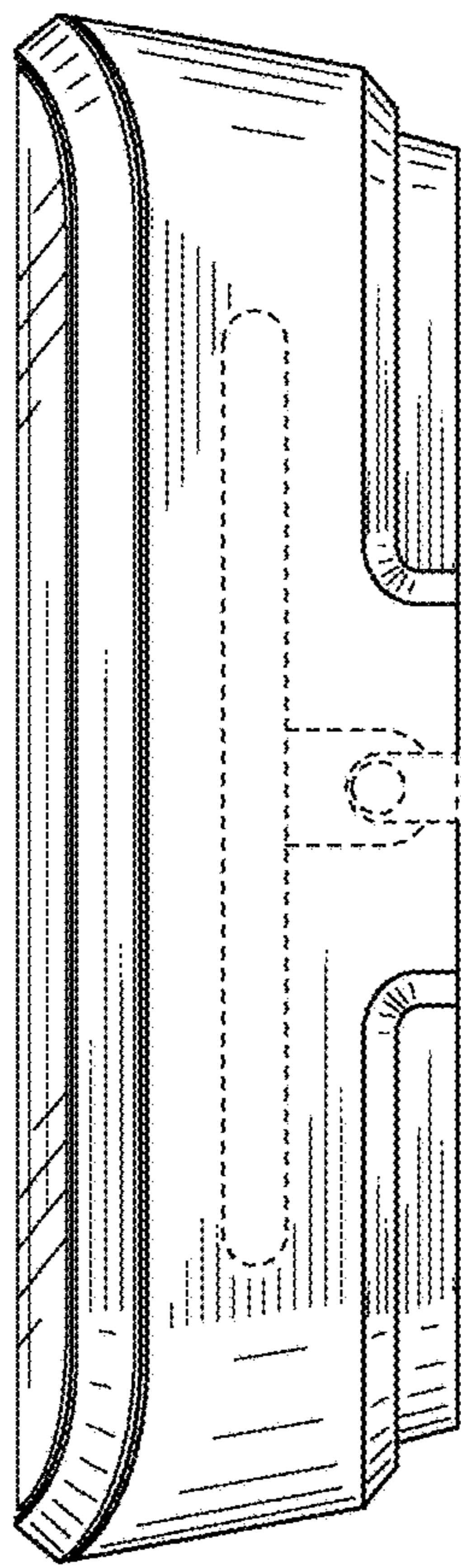


FIG. 5

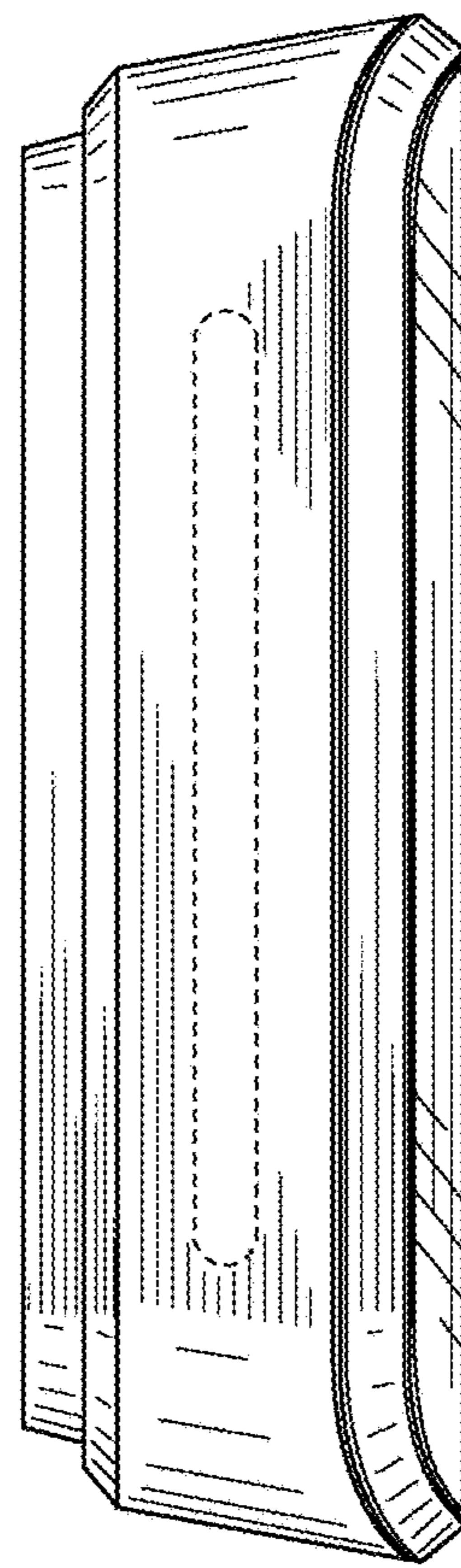


FIG. 6

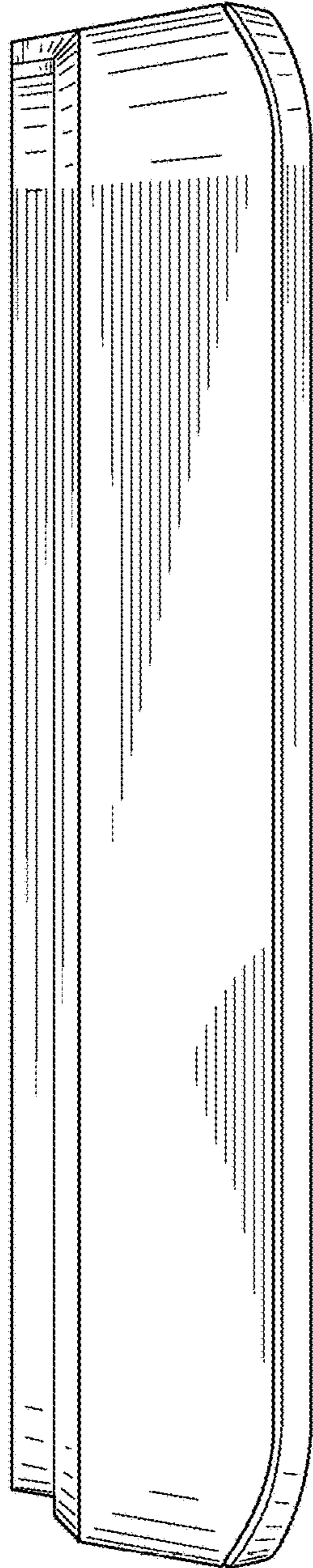


FIG. 7

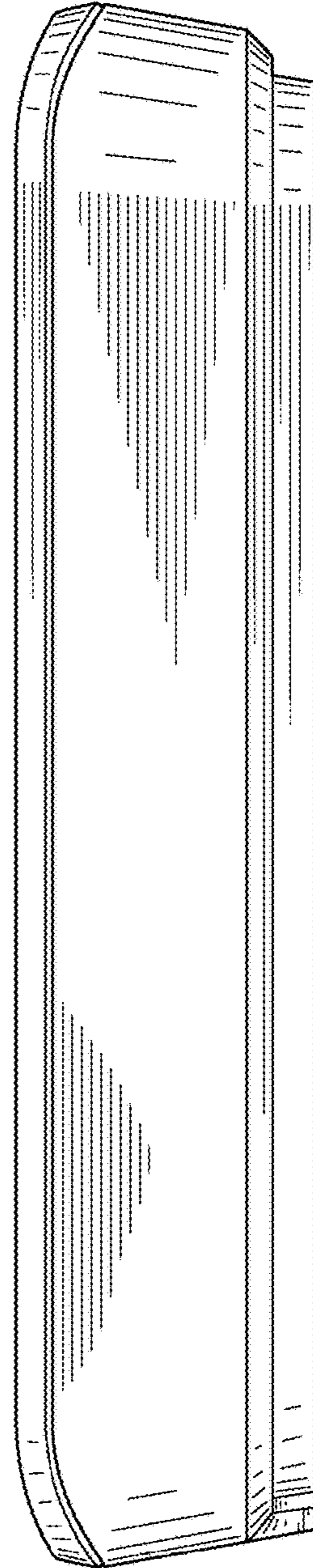


FIG. 8

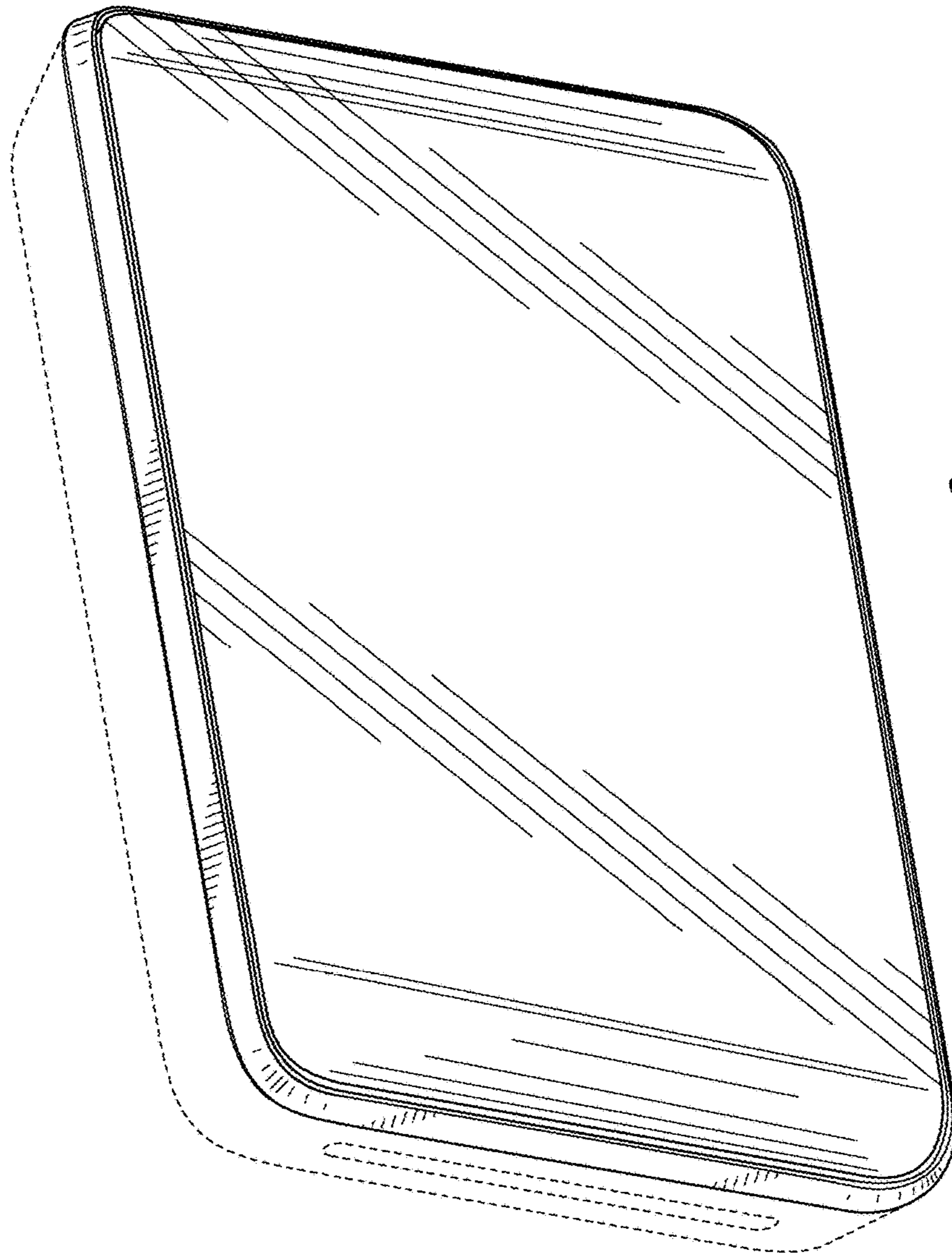


FIG. 9

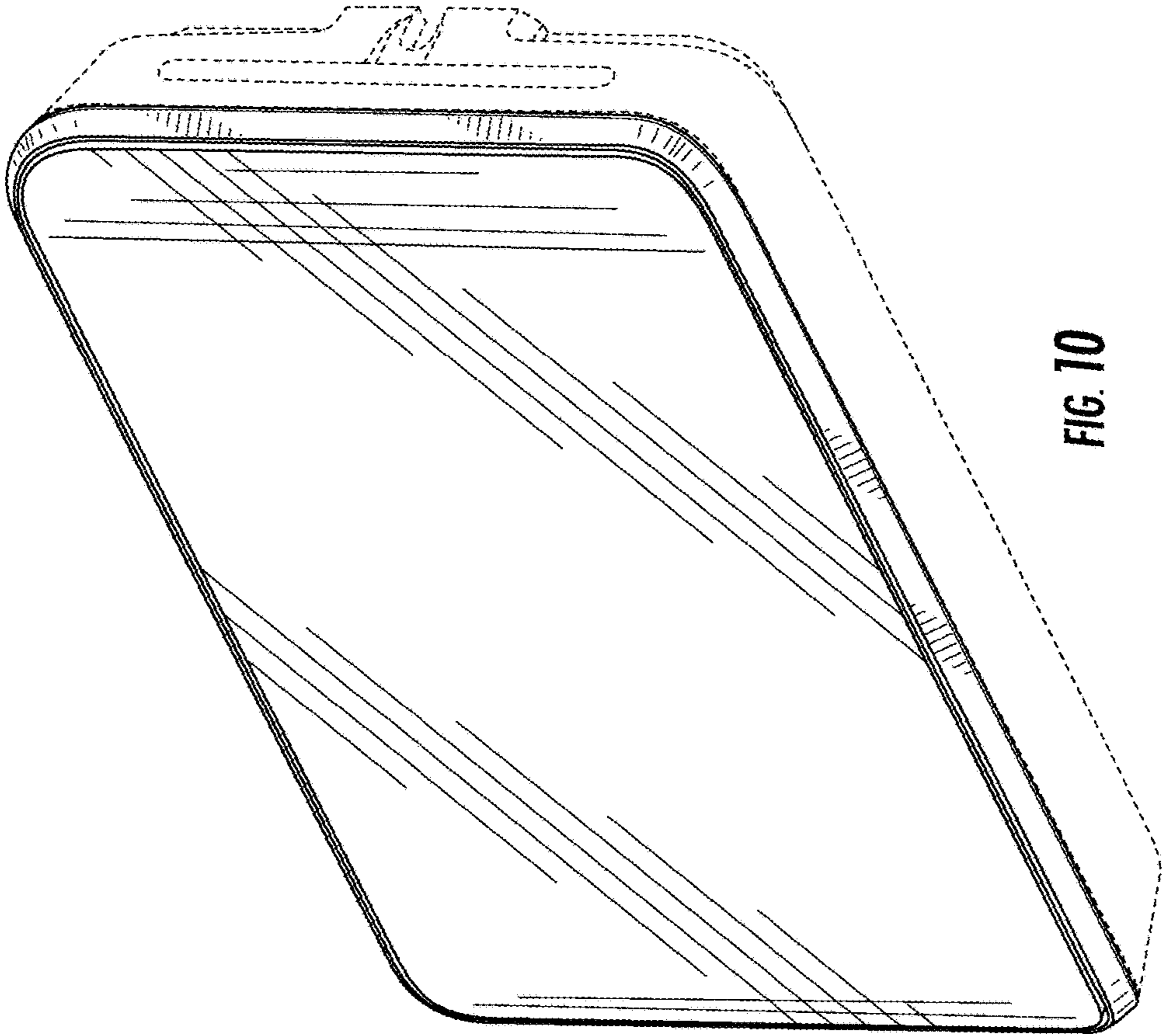


FIG. 10

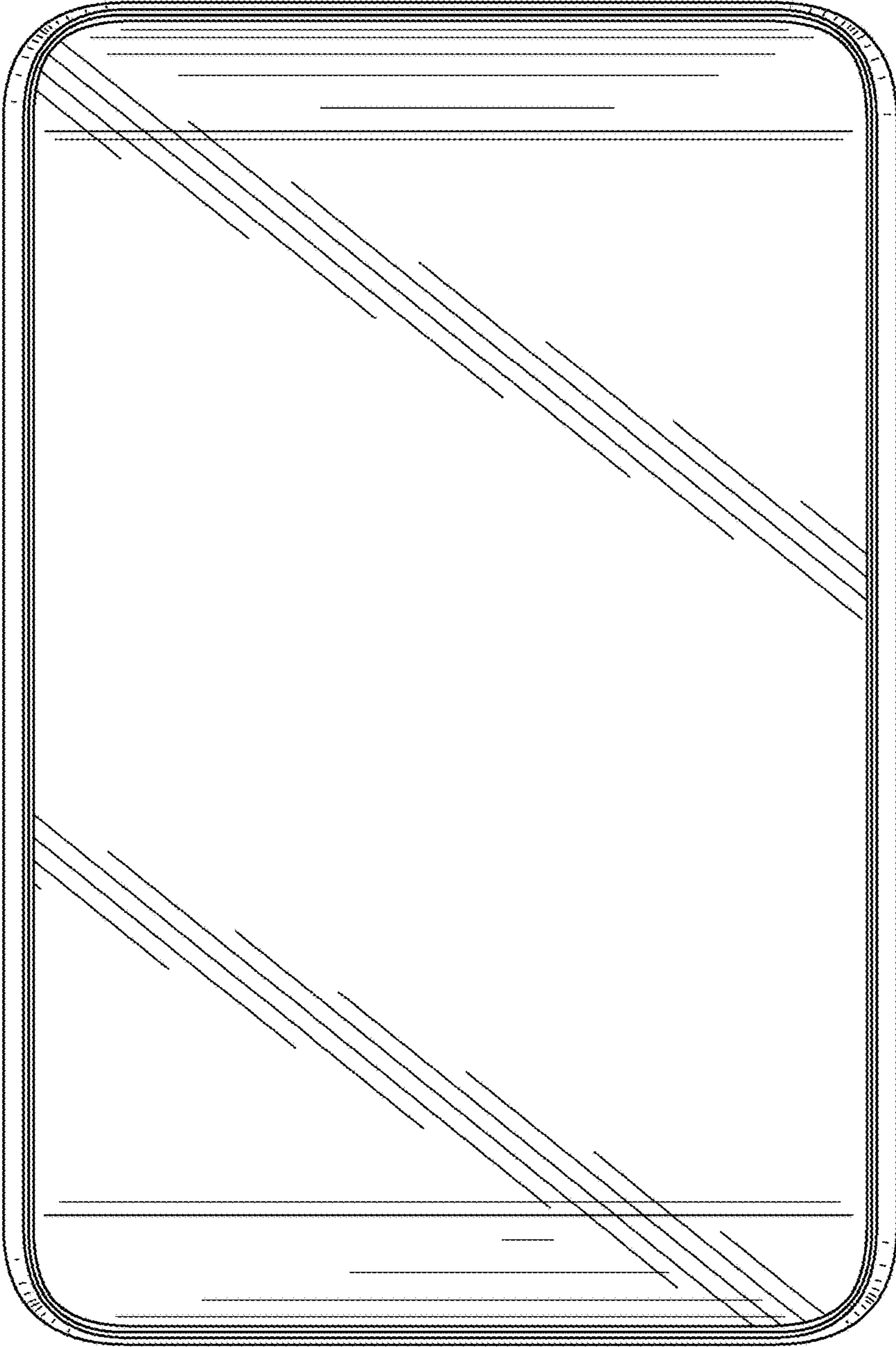


FIG. 11

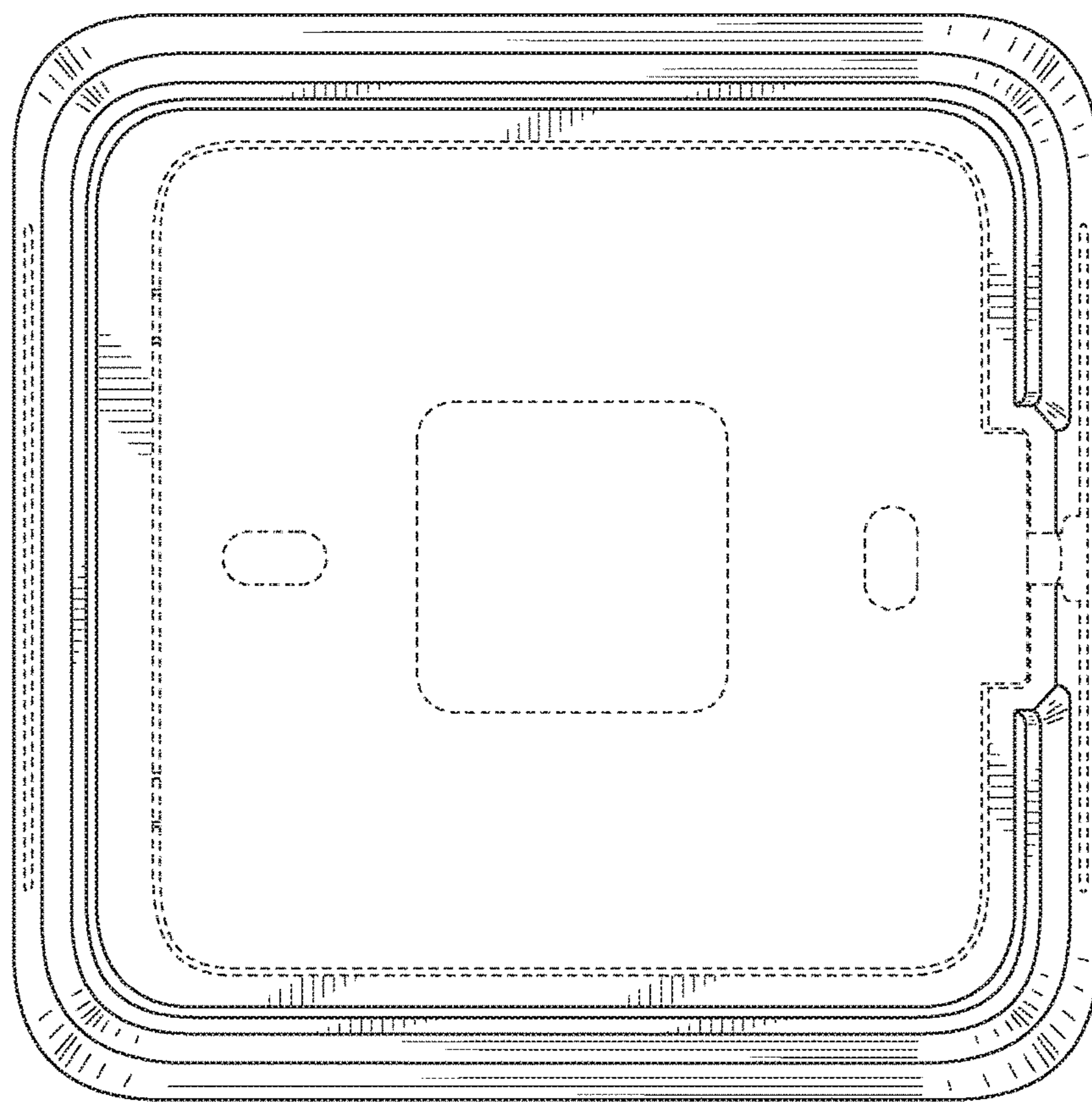


FIG. 12

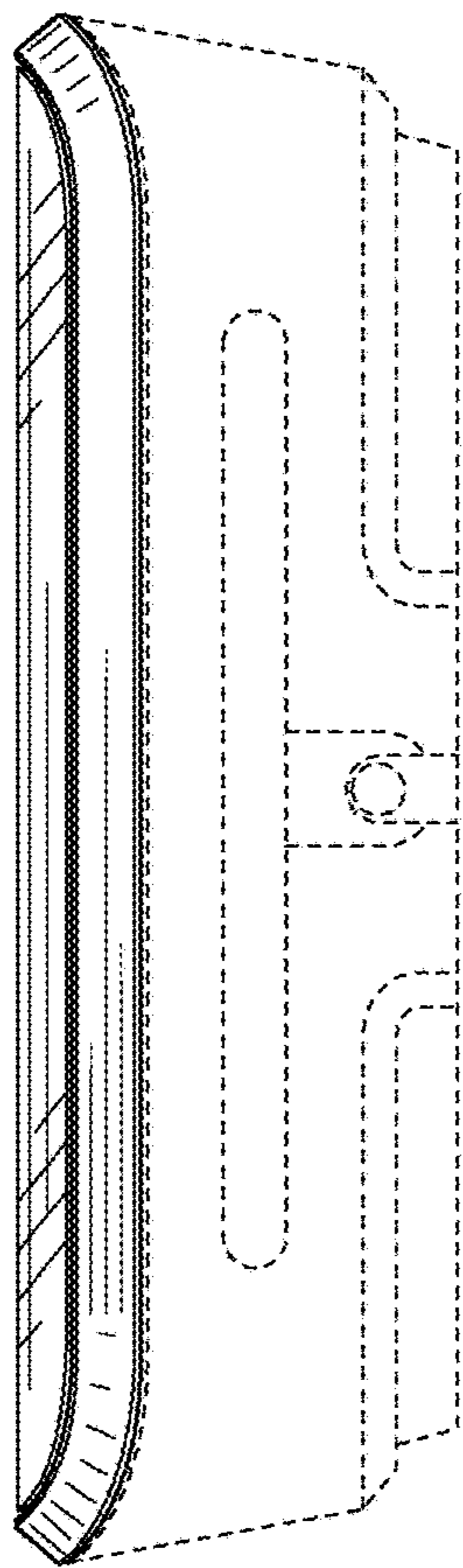


FIG. 13

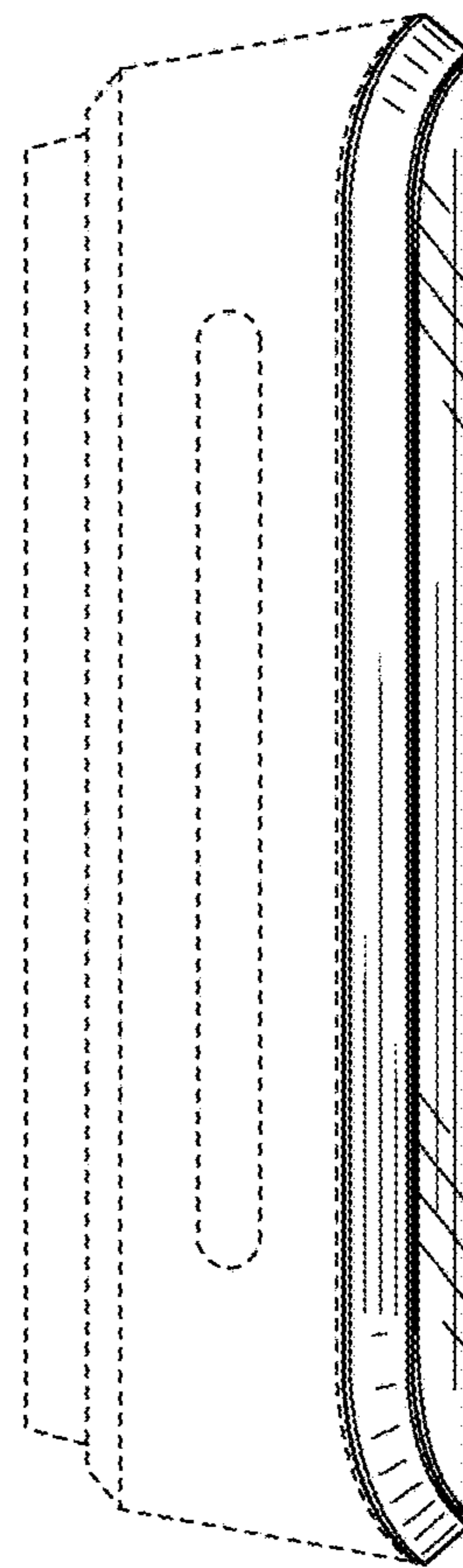


FIG. 14

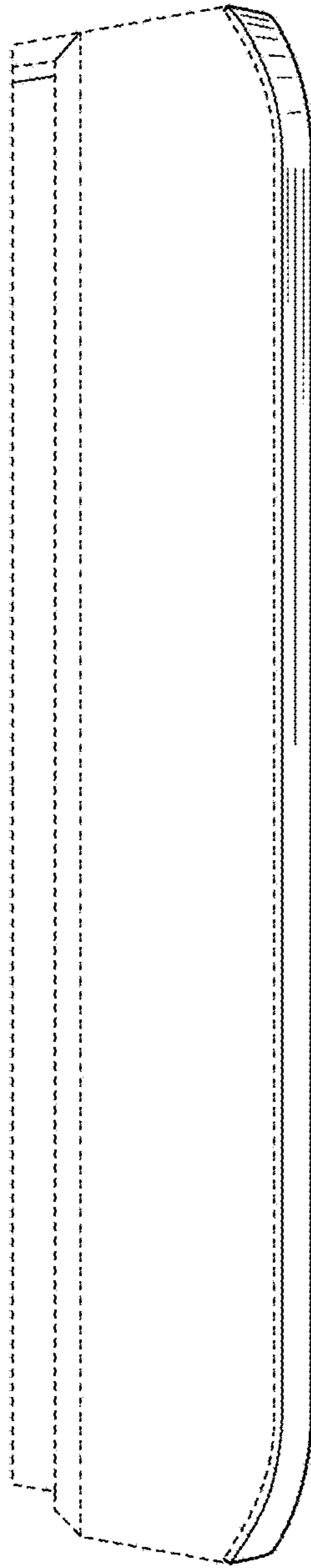


FIG. 15

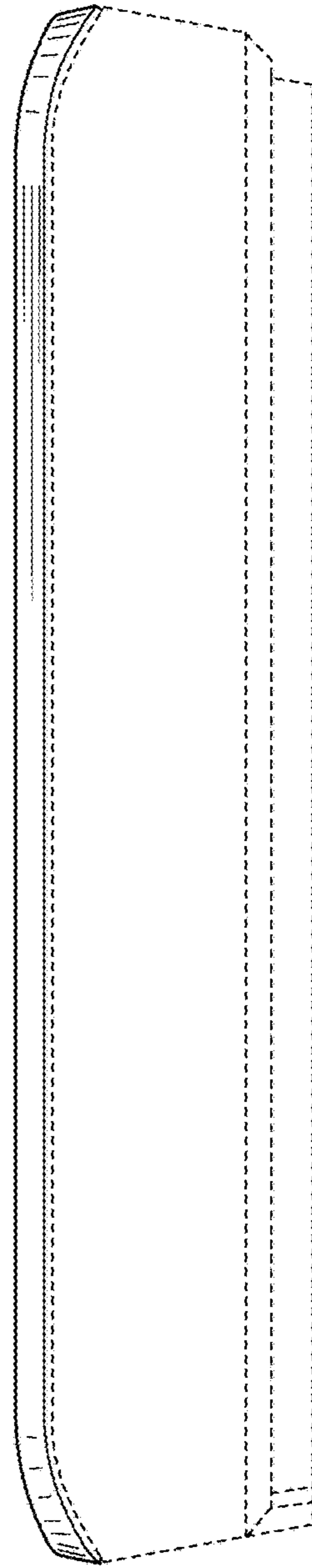


FIG. 16

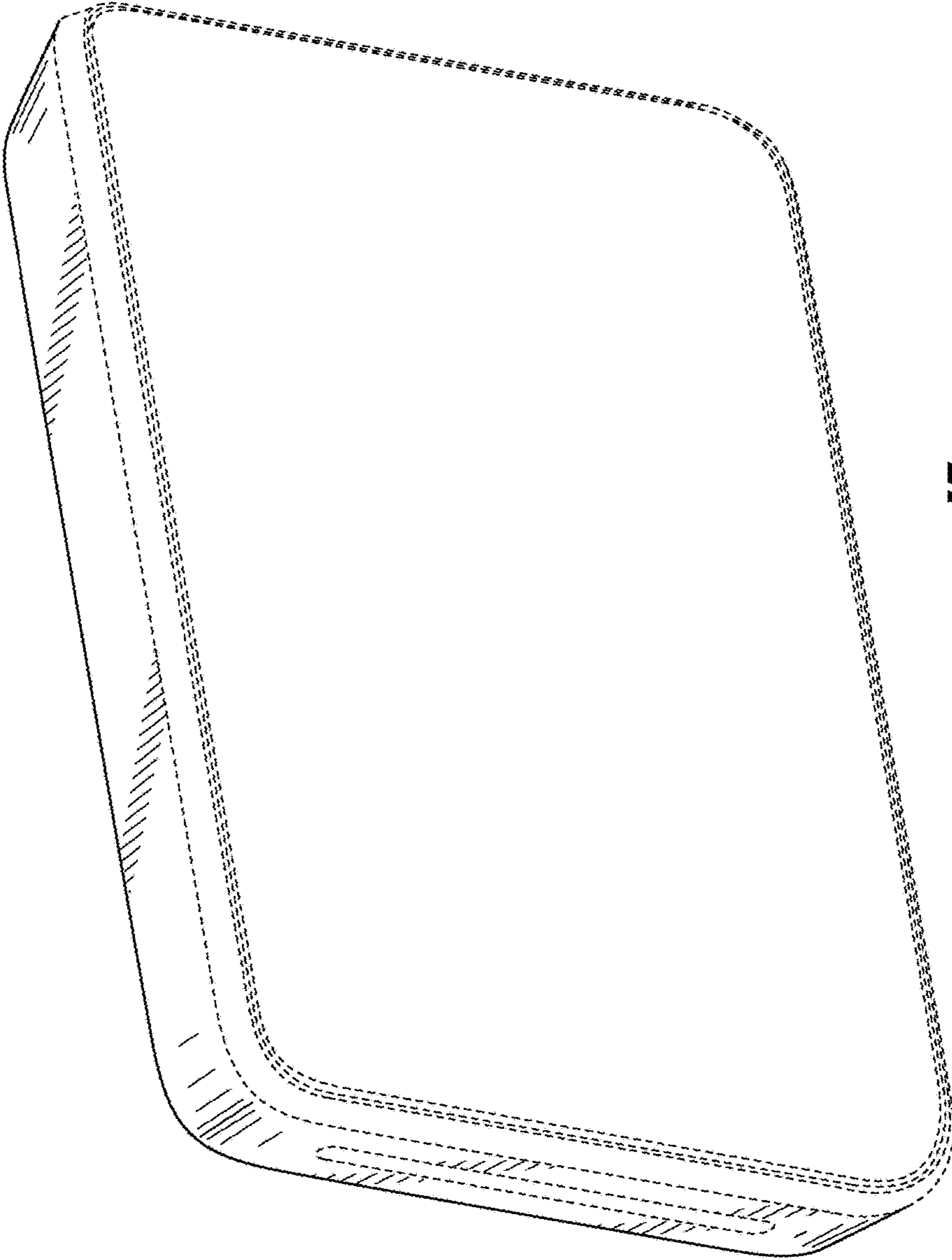


FIG. 17

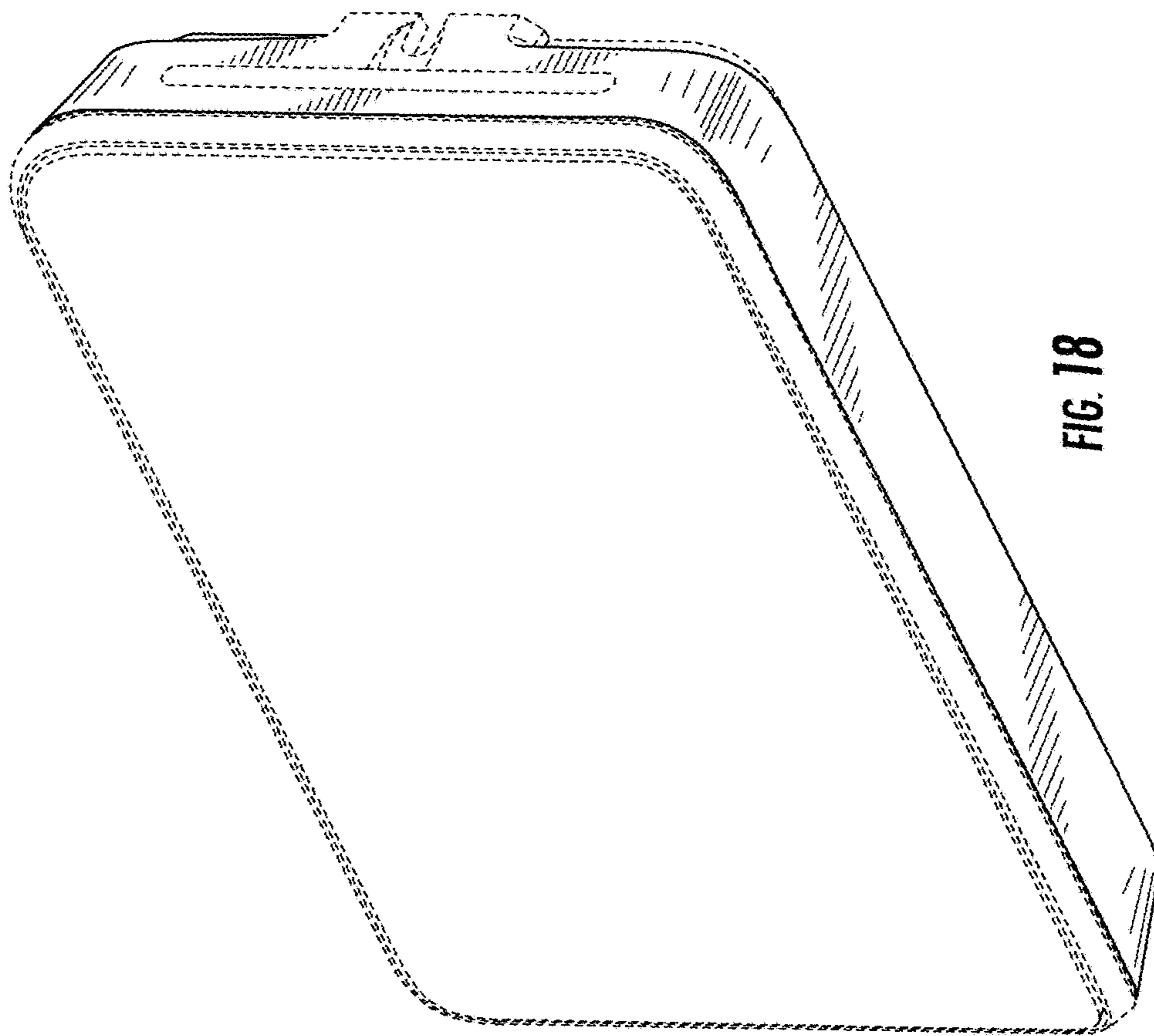


FIG. 18

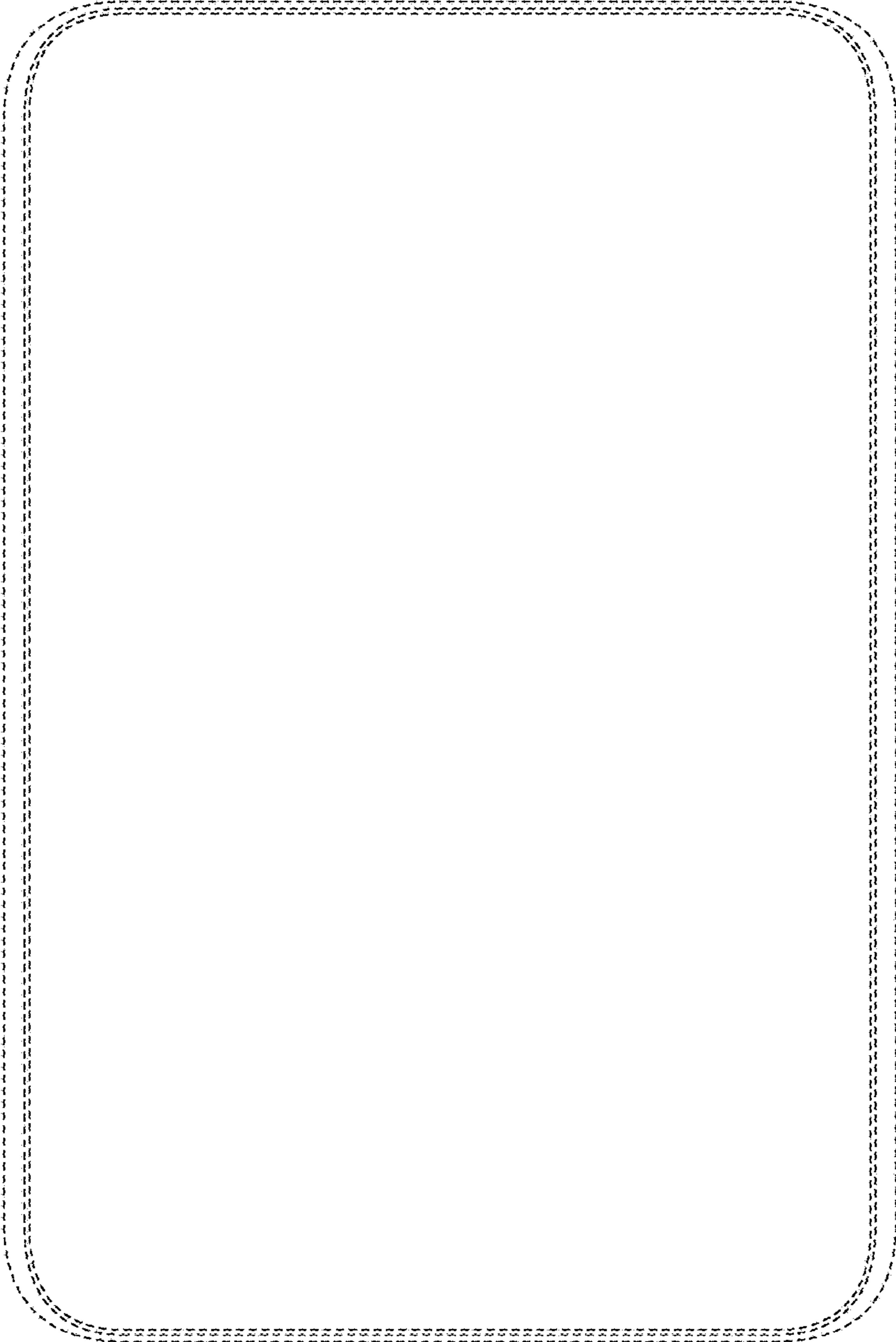


FIG. 19

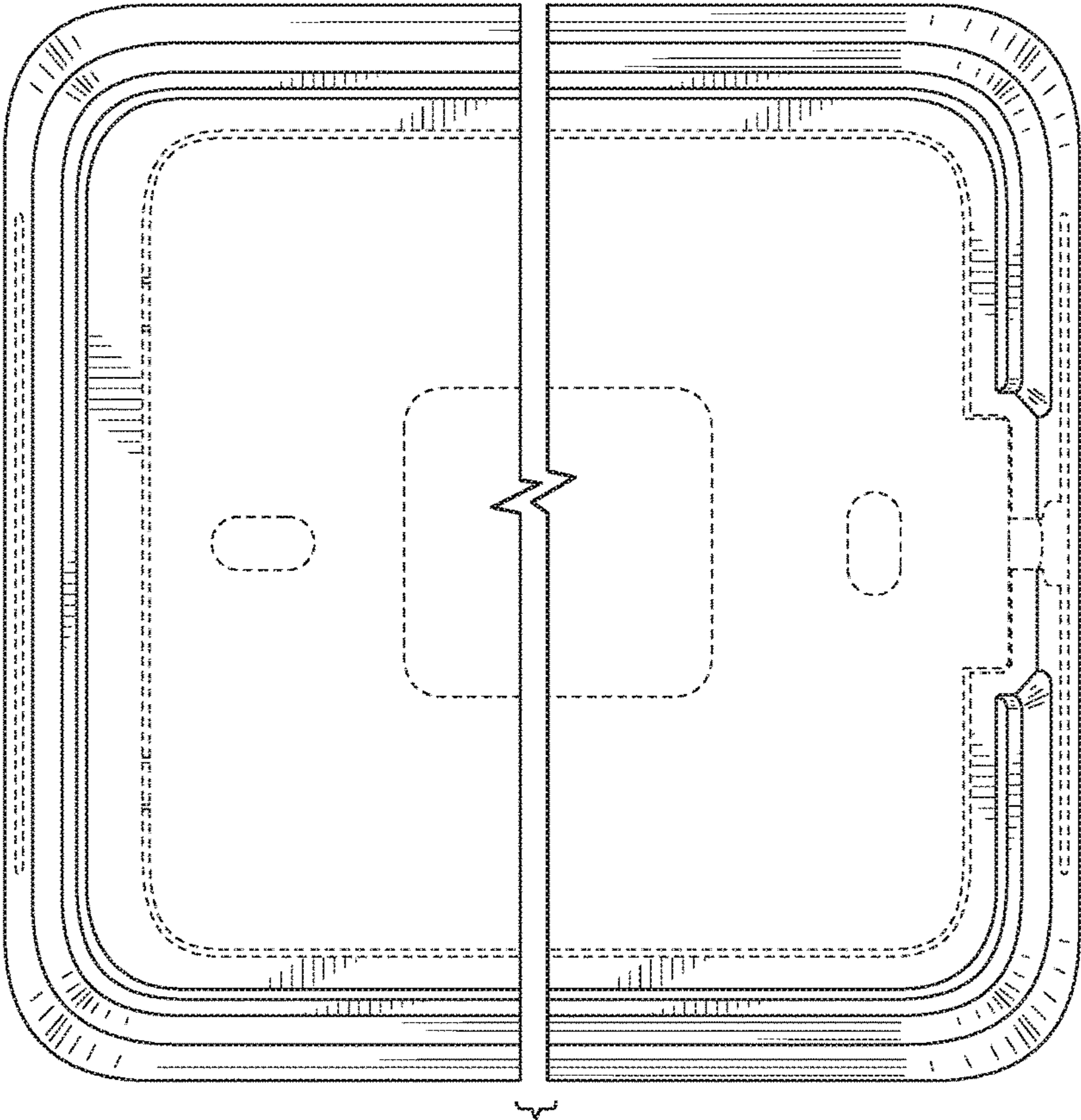


FIG. 20

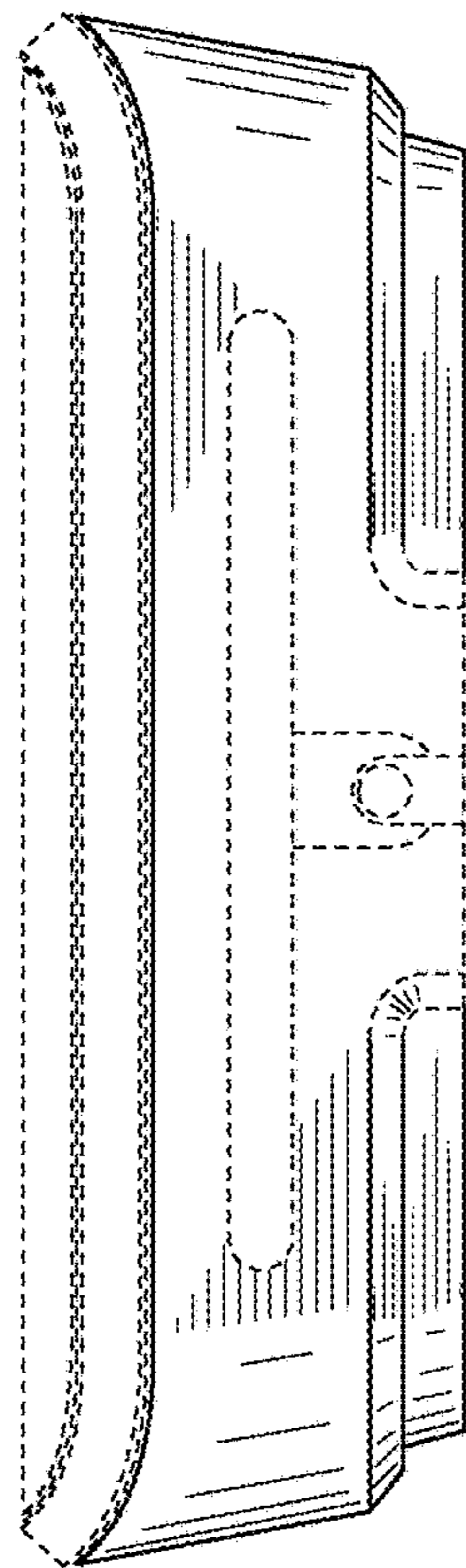


FIG. 21

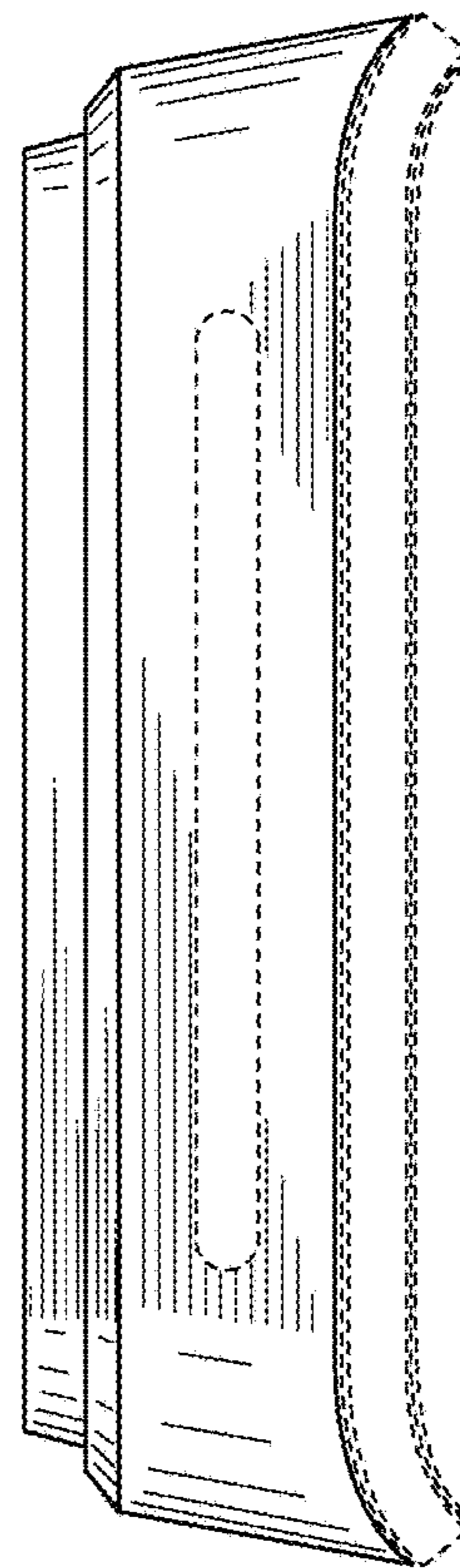


FIG. 22

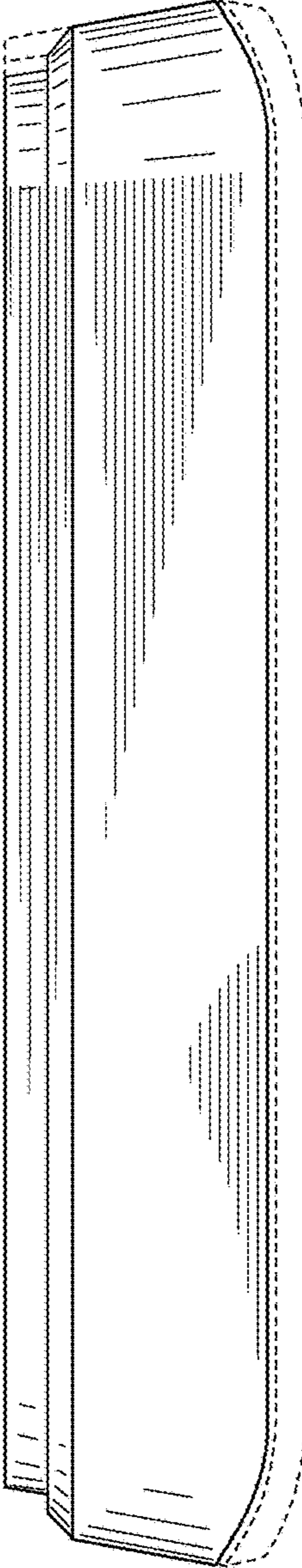


FIG. 23

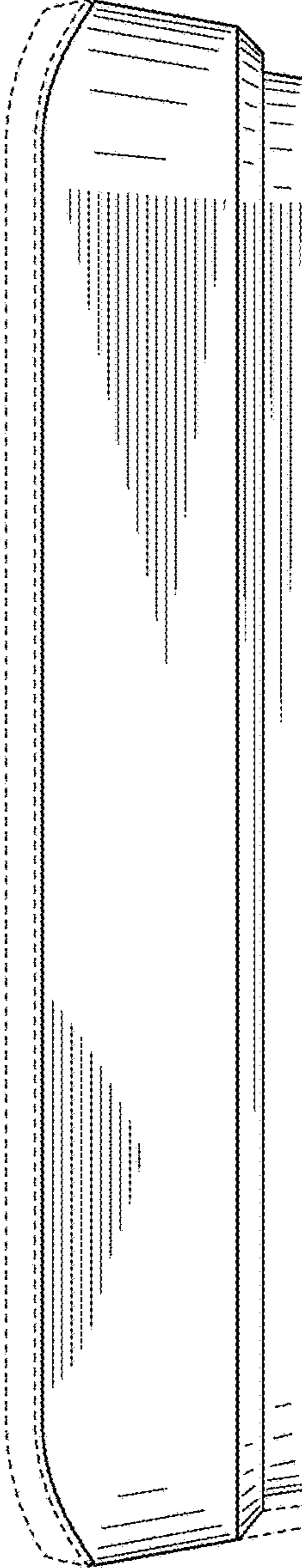


FIG. 24