



US00D877431S

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

(10) **Patent No.:** **US D877,431 S**
(45) **Date of Patent:** **** Mar. 3, 2020**

(54) **USER INTERFACE**

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5,473,914 A	12/1995	Pyo	
5,628,430 A	5/1997	Barbe	
5,782,109 A	7/1998	Spriggs	
6,109,480 A	8/2000	Monsrud	
6,401,499 B1	6/2002	Clark	
D553,309 S *	10/2007	Revoldini	D32/6
D571,064 S *	6/2008	Eicher	D32/28
D614,821 S *	4/2010	Cho	D32/6
7,707,858 B2	5/2010	Jeon	
7,777,502 B2	8/2010	Grosser	
7,805,964 B2	10/2010	Park	
7,843,200 B2	11/2010	Klopfer	
8,056,374 B2	11/2011	Hoppe	
8,056,747 B2	11/2011	Vitan	
8,166,781 B2	5/2012	Lee	
8,322,169 B2	12/2012	Kendall	
D673,742 S	1/2013	Eng	

(Continued)

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

(21) Appl. No.: **29/630,502**

(22) Filed: **Dec. 21, 2017**

(51) **LOC (12) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/28**

(58) **Field of Classification Search**
USPC D32/1, 2, 5, 6, 8, 10, 25, 28, 29, 29.1;
134/113; D21/324-325, 329;
D13/162-162.1; 341/22-23; D10/52-53,
D10/106.1, 106.95, 123, 125
CPC D06F 39/045; D06F 25/00; D06F 39/022;
D06F 37/28; A47L 15/4418
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,091,954 A	6/1963	Billings
3,699,785 A	10/1972	Waugh
3,757,543 A	9/1973	Braga
4,085,870 A	4/1978	Von Holdt
4,417,457 A	11/1983	Brenner

FOREIGN PATENT DOCUMENTS

AU	2008202222	12/2008
BR	202013015525 U2	8/2015

(Continued)

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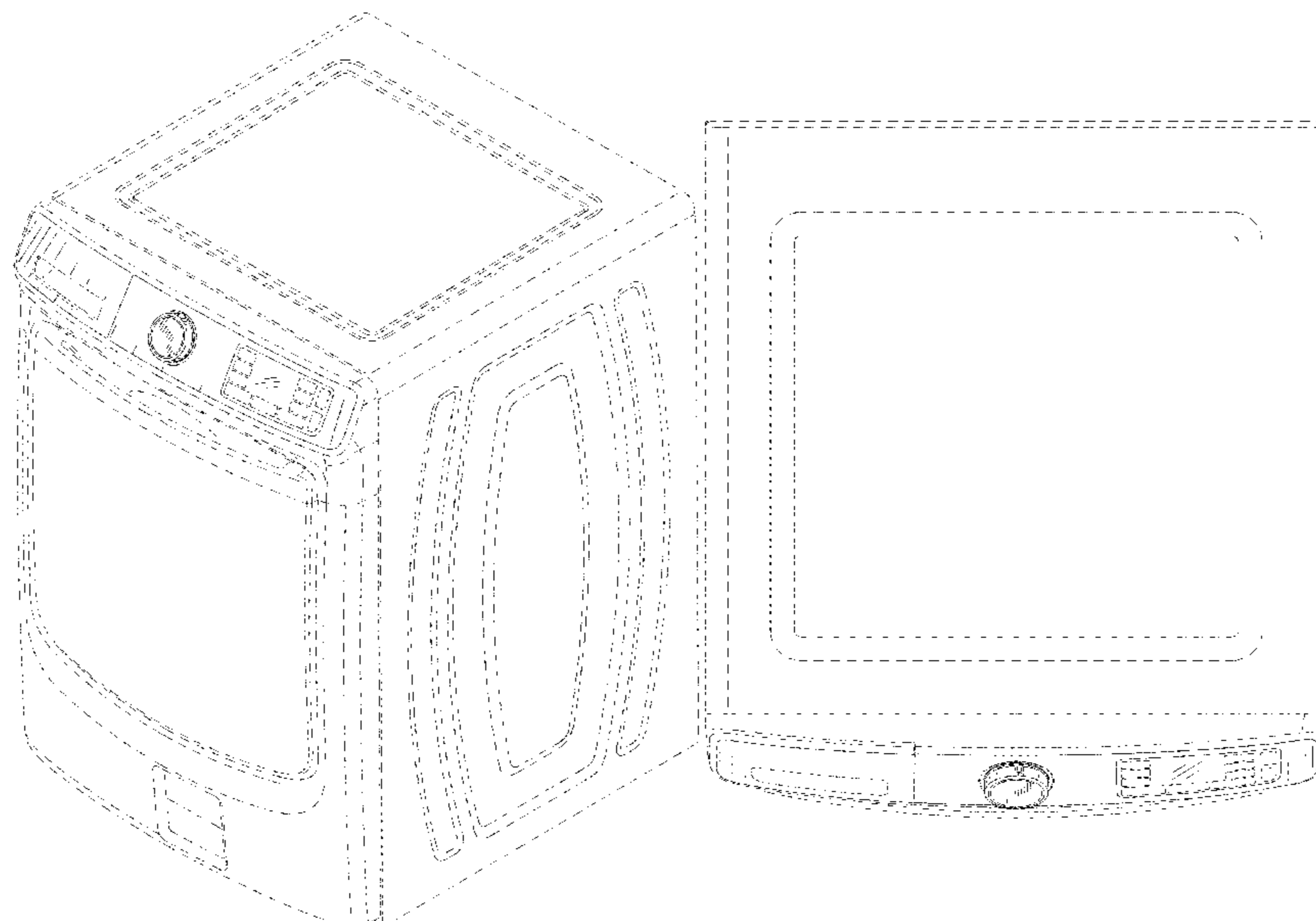
(57) **CLAIM**

The ornamental design for a user interface, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a user interface; FIG. 2 is a front view of the user interface of FIG. 1; FIG. 3 is a top view of the user interface of FIG. 1; FIG. 4 is a left side view of the user interface of FIG. 1; and, FIG. 5 is a right side view of the user interface of FIG. 1. Portions of the drawings shown in broken lines form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

8,368,805	B2	2/2013	Kim	
8,555,678	B2	10/2013	Lee et al.	
8,584,492	B2	11/2013	Seo	
8,931,310	B2	1/2015	Risen	
8,931,667	B2	1/2015	Smith	
D732,250	S *	6/2015	Borjesson	D32/6
9,133,576	B2	9/2015	Lee	
D744,179	S *	11/2015	Lee	D32/28
9,217,218	B2	12/2015	Kim	
D773,132	S	11/2016	Ha	
D773,133	S	11/2016	Ha	
9,487,904	B2	11/2016	Kim	
9,506,183	B2	11/2016	Del Pos	
9,615,468	B2	4/2017	Moncrieff	
9,663,886	B2	5/2017	Mackay	
D794,267	S *	8/2017	Kang	D32/6
D848,687	S *	5/2019	Kim	D32/8
2006/0053842	A1	3/2006	Je	
2008/0028802	A1	2/2008	Jordan	
2009/0126123	A1	5/2009	Kim	
2009/0288453	A1	11/2009	Lee	
2010/0115709	A1	5/2010	Kim	
2011/0030428	A1	2/2011	Han	
2011/0174021	A1	7/2011	Lee	
2012/0017381	A1	1/2012	Hong	
2012/0144872	A1	6/2012	Kappler	
2012/0174632	A1	7/2012	Sung	
2013/0047680	A1	2/2013	Han	
2013/0219972	A1	8/2013	Mora	
2013/0277353	A1	10/2013	Joseph	
2014/0041418	A1	2/2014	Lee et al.	
2014/0076008	A1	3/2014	Jo	
2014/0076009	A1	3/2014	Kim	
2015/0059418	A1	3/2015	Lee	
2015/0252513	A1	9/2015	Seo	
2015/0252514	A1	9/2015	Seo	
2015/0354126	A1	12/2015	Lee	
2016/0010267	A1	1/2016	Kim	
2016/0017531	A1	1/2016	Jo	
2016/0017532	A1	1/2016	Jo	
2016/0069012	A1	3/2016	Kim	
2016/0186370	A1	6/2016	Kim	
2016/0237613	A1	8/2016	Lee	
2016/0355969	A1	12/2016	Kim	
2017/0121890	A1	5/2017	Kwon	

FOREIGN PATENT DOCUMENTS

CN	1746413	B	10/2010
CN	101298733	B	10/2010
CN	204509793	U	7/2015
CN	102345223	B	11/2015
CN	204939890	U	1/2016
CN	105671877	A	6/2016

CN	105803733	A	7/2016
DE	2424393	A1	12/1975
DE	8033429	U1	5/1982
DE	3242382	A1	5/1984
DE	3246127	A1	6/1984
DE	3247529	A1	6/1984
DE	102008041439	A1	2/2010
DE	102013102733	A1	9/2014
DE	202013012060	U1	3/2015
DE	202013012059	U1	4/2015
EP	007463	A2	4/1983
EP	0096260	A1	12/1983
EP	0268451	A2	5/1988
EP	0379950	B1	8/1992
EP	0597513	A1	5/1994
EP	2251480	A1	11/2010
EP	2304091	A1	4/2011
EP	2405052	A1	1/2012
EP	2708633	A1	3/2014
EP	2708634	A1	3/2014
EP	2708635	A1	3/2014
EP	2719816	A1	4/2014
EP	2743393	A1	6/2014
EP	2784205	A1	10/2014
EP	2479335	B1	12/2014
EP	2857569	A1	4/2015
EP	2873764	A1	5/2015
EP	2894249	A1	7/2015
EP	2905369	A1	8/2015
EP	2994565	A1	3/2016
EP	1884584	B1	4/2016
EP	3056599	A1	8/2016
EP	3164537	A1	5/2017
FR	2244859	A1	4/1975
FR	2646674	A3	11/1990
GB	2134612	A1	8/1984
GB	2147613	A1	5/1985
GB	2214524	A1	9/1989
JP	63043698	A2	2/1988
JP	7227495	A2	8/1995
JP	10033888	A2	2/1998
JP	1553160	S	7/2016
JP	1553162	S	7/2016
KR	100556791	B1	3/2006
KR	20080092197	A	10/2008
KR	100873681	B1	12/2008
KR	20100066909	A	6/2010
KR	101481508	B1	1/2015
KR	101481520	B1	1/2015
KR	101482109	B1	1/2015
KR	20150025084	A	3/2015
KR	101590012	B1	2/2016
WO	15133796	A1	9/2015
WO	15133798	A1	9/2015
WO	15133799	A1	9/2015
WO	15167073	A1	11/2015
WO	16088912	A1	6/2016

* cited by examiner

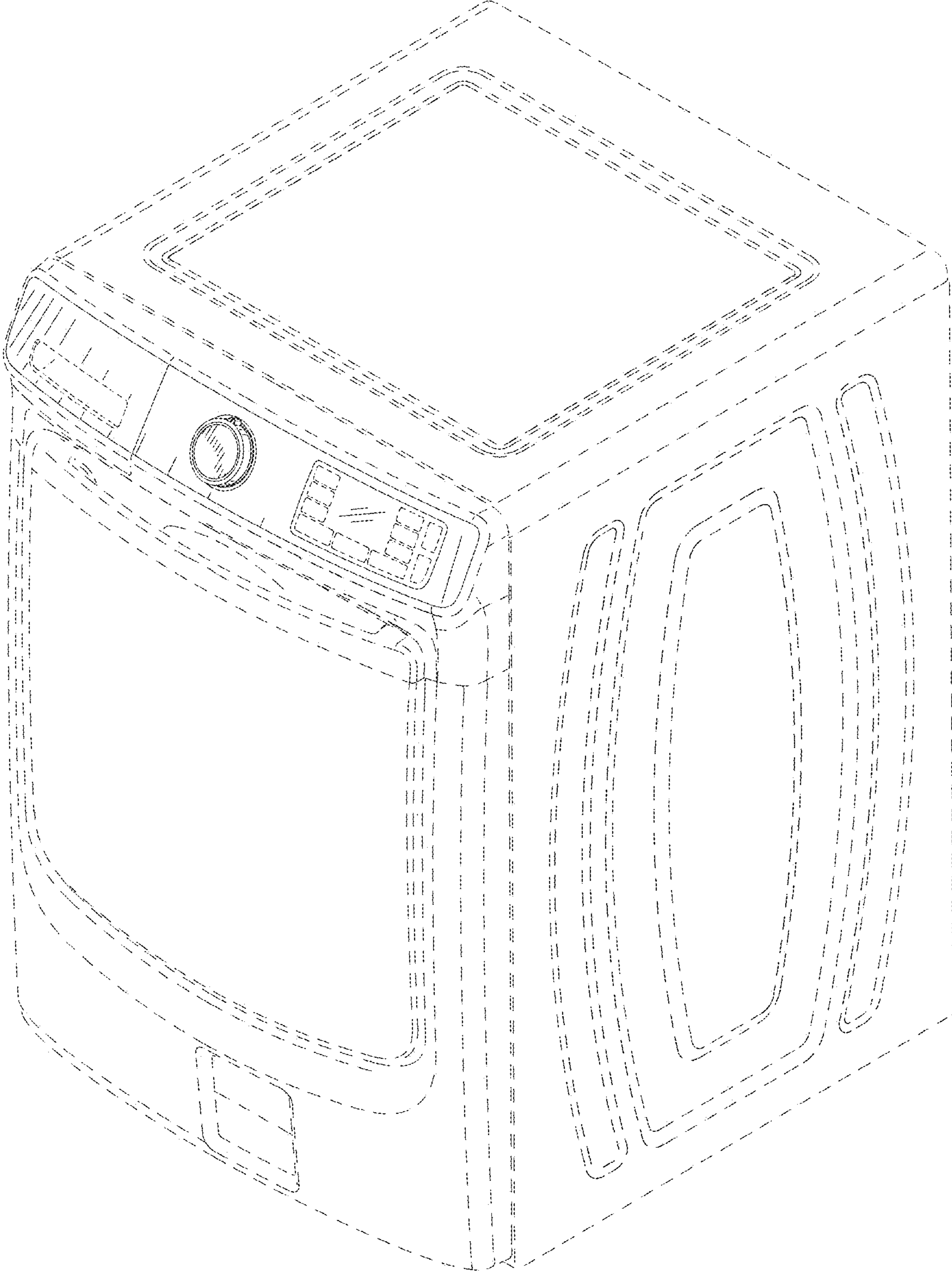


FIG.1

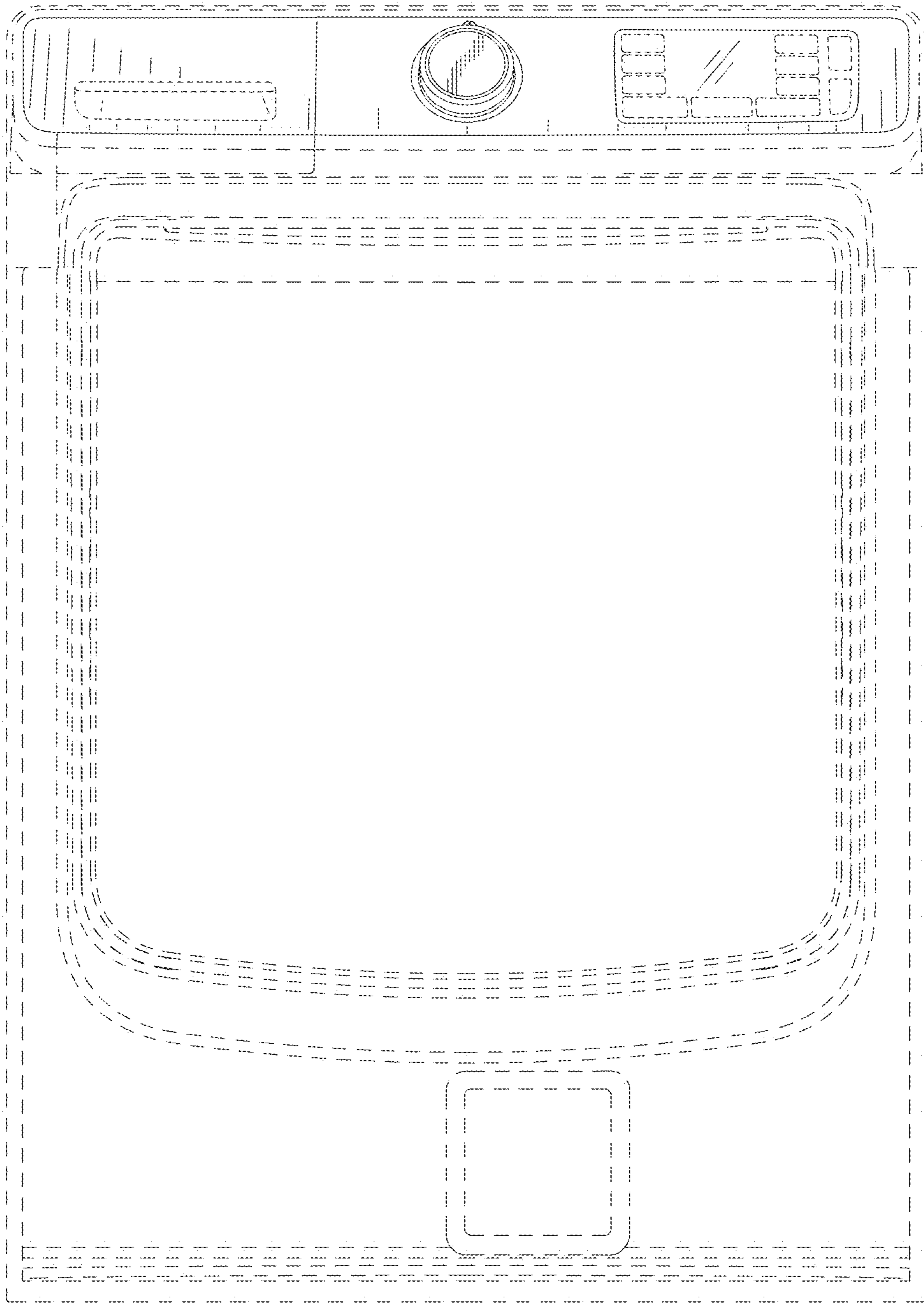


FIG. 2

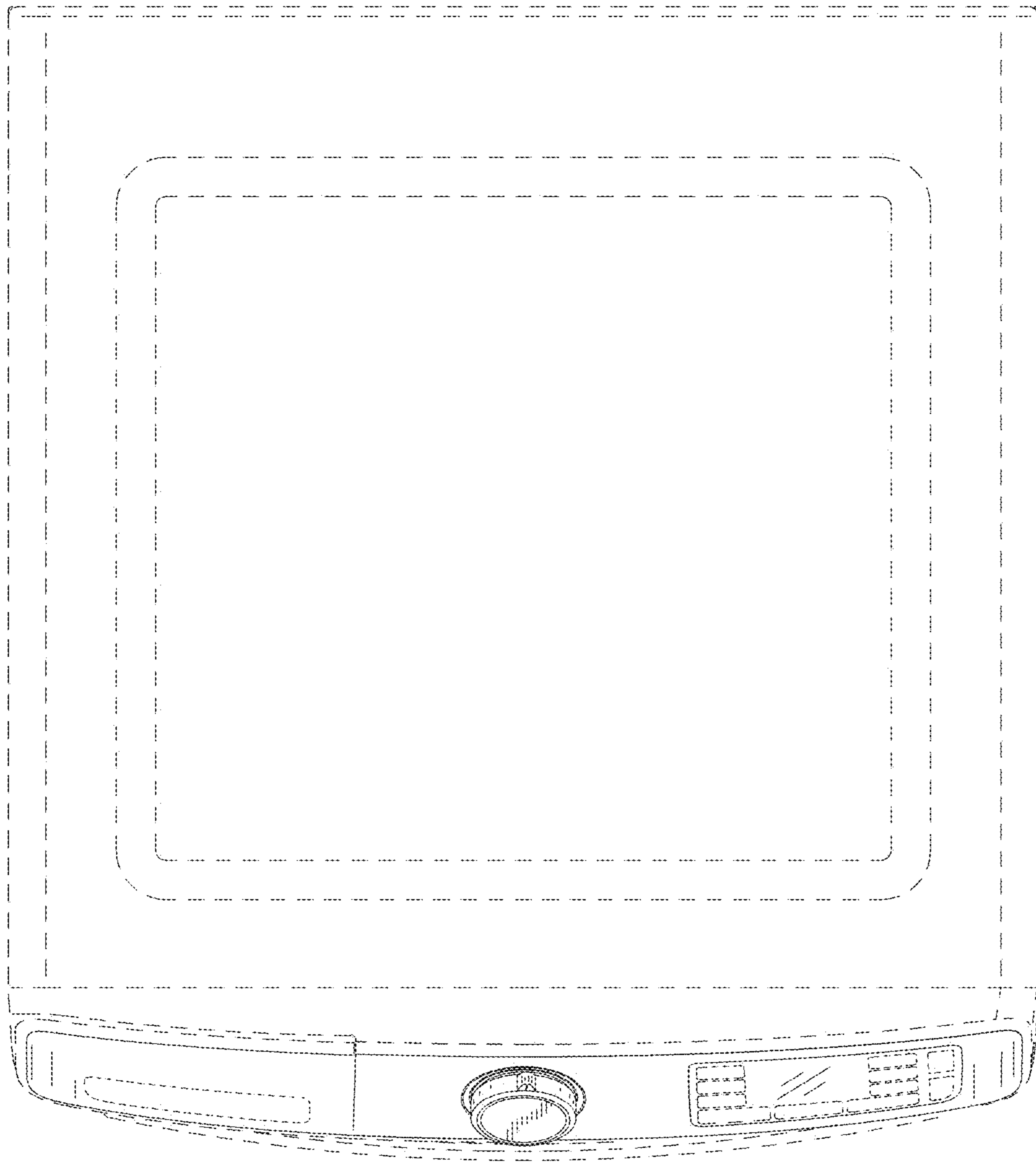


FIG. 3

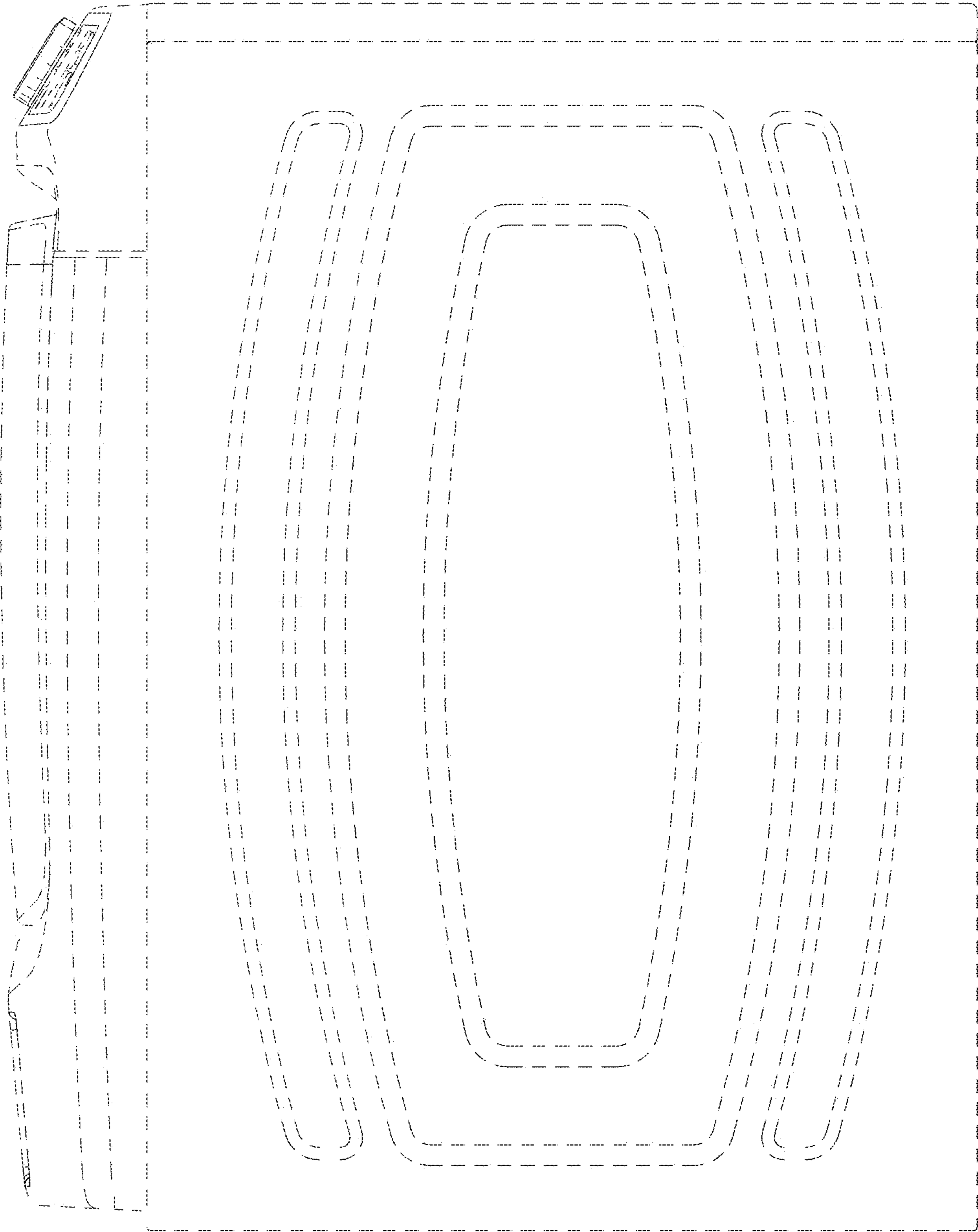


FIG.4

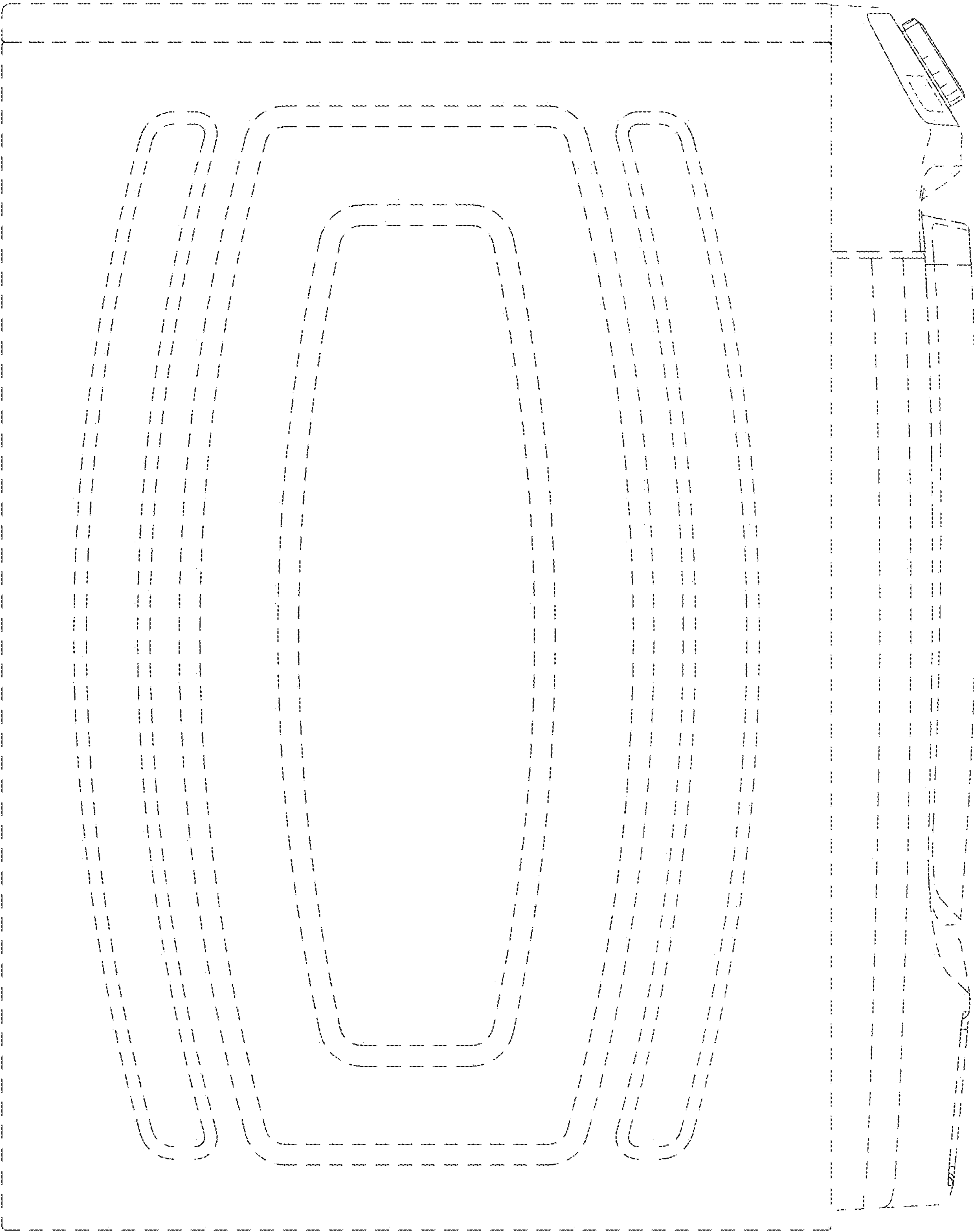


FIG. 5