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

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(54) **FRONT PANEL OF A CONTROLLER**

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

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(52) **U.S. Cl.**  
USPC ..... **D13/164**

(58) **Field of Classification Search**  
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CPC ..... F23N 5/00; F23N 2900/00; F23N 2900/05005; F24D 19/1066; F24H 9/2007; F24H 1/18; G05D 23/1904; H05B 1/00; H05B 1/02; H05B 1/0202; H05B 1/0283

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D296,776 S *	7/1988	Hansen	.....	D10/50
D307,002 S *	4/1990	Thomas	.....	D13/164
D320,410 S *	10/1991	Gotham	.....	D13/162
D334,542 S *	4/1993	Lowe	.....	D10/104.1
D341,354 S *	11/1993	Holterman	.....	D13/162.1
D342,683 S *	12/1993	Cohen	.....	D10/40
D370,206 S *	5/1996	Marino	.....	D10/125
5,968,393 A *	10/1999	Demaline	.....	G05D 23/1904 219/485
D607,418 S *	1/2010	Kleman	.....	D13/164

D608,302 S *	1/2010	Liu	.....	D13/164
D611,007 S *	3/2010	Kangas	.....	D13/164
D703,158 S *	4/2014	Parsons	.....	D13/177
9,175,853 B2 *	11/2015	Fioriti	.....	F23N 5/006
10,037,044 B2 *	7/2018	Laberge	.....	G05D 23/1931
2005/0268865 A1 *	12/2005	Valbh	.....	F24H 9/2007 122/14.1
2008/0295030 A1 *	11/2008	Laberge	.....	G05D 23/1931 715/831
2014/0169773 A1 *	6/2014	Miller	.....	G05D 23/1904 392/441
2017/0074544 A1 *	3/2017	Lesage	.....	F24H 1/0018
2018/0106501 A1 *	4/2018	Hinton	.....	F24H 9/2021
2018/0163991 A1 *	6/2018	Shaffer	.....	F24H 4/04

**OTHER PUBLICATIONS**

Whirlpool, Energy Smart; prior to Mar. 2, 2018; 1 pg.; [https://www.google.com/search?q=hot+water+heater+controls&hl=en&biw=1536&bih=813&source=Int&tbs=cdr%3A1%2Ccd\\_min%3A%2Ccd\\_max%3A3%2F2%2F2018&tbn=isch#imgre=E8wZywVQS0FFFM:&spf=1558039870463.\\*](https://www.google.com/search?q=hot+water+heater+controls&hl=en&biw=1536&bih=813&source=Int&tbs=cdr%3A1%2Ccd_min%3A%2Ccd_max%3A3%2F2%2F2018&tbn=isch#imgre=E8wZywVQS0FFFM:&spf=1558039870463.*)

\* cited by examiner

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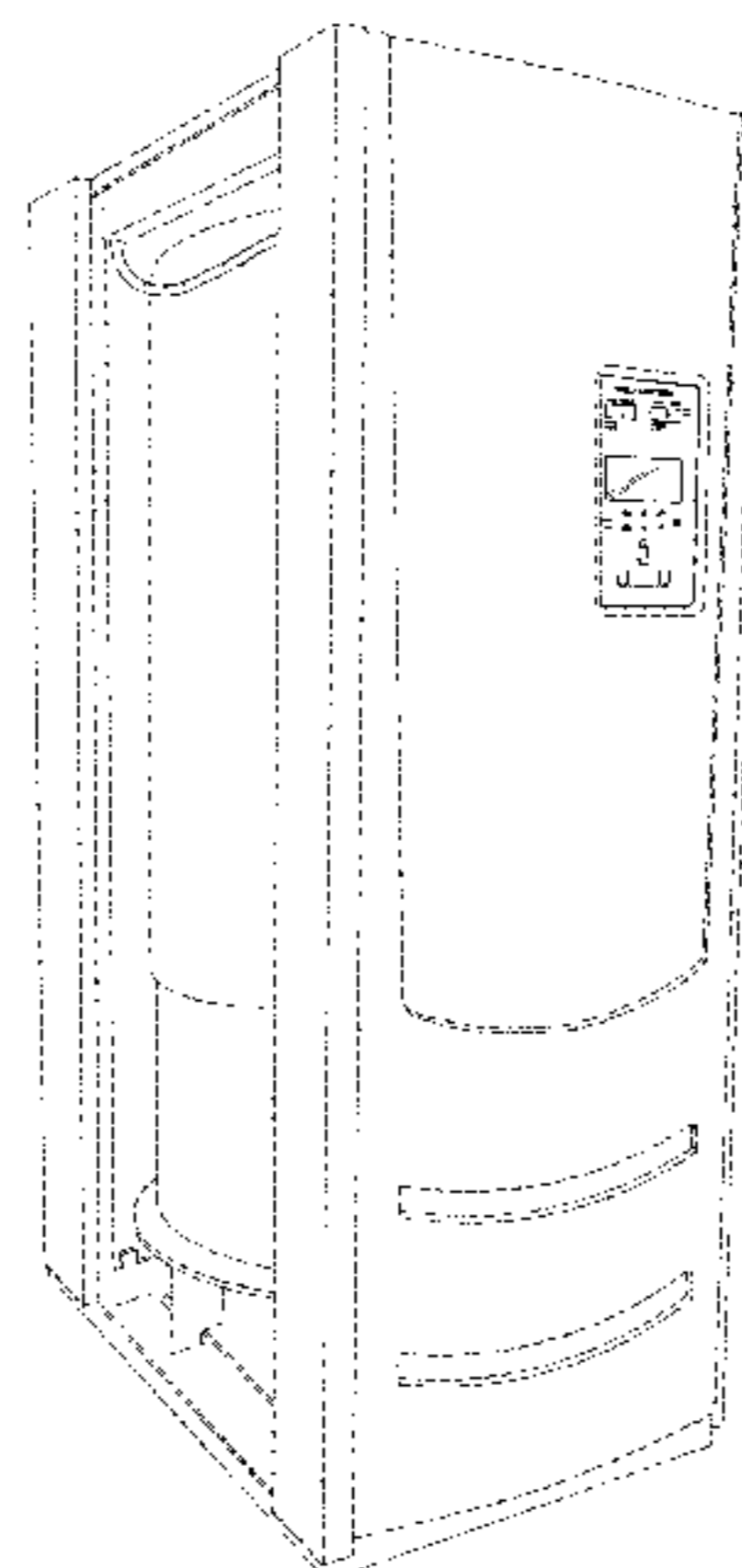
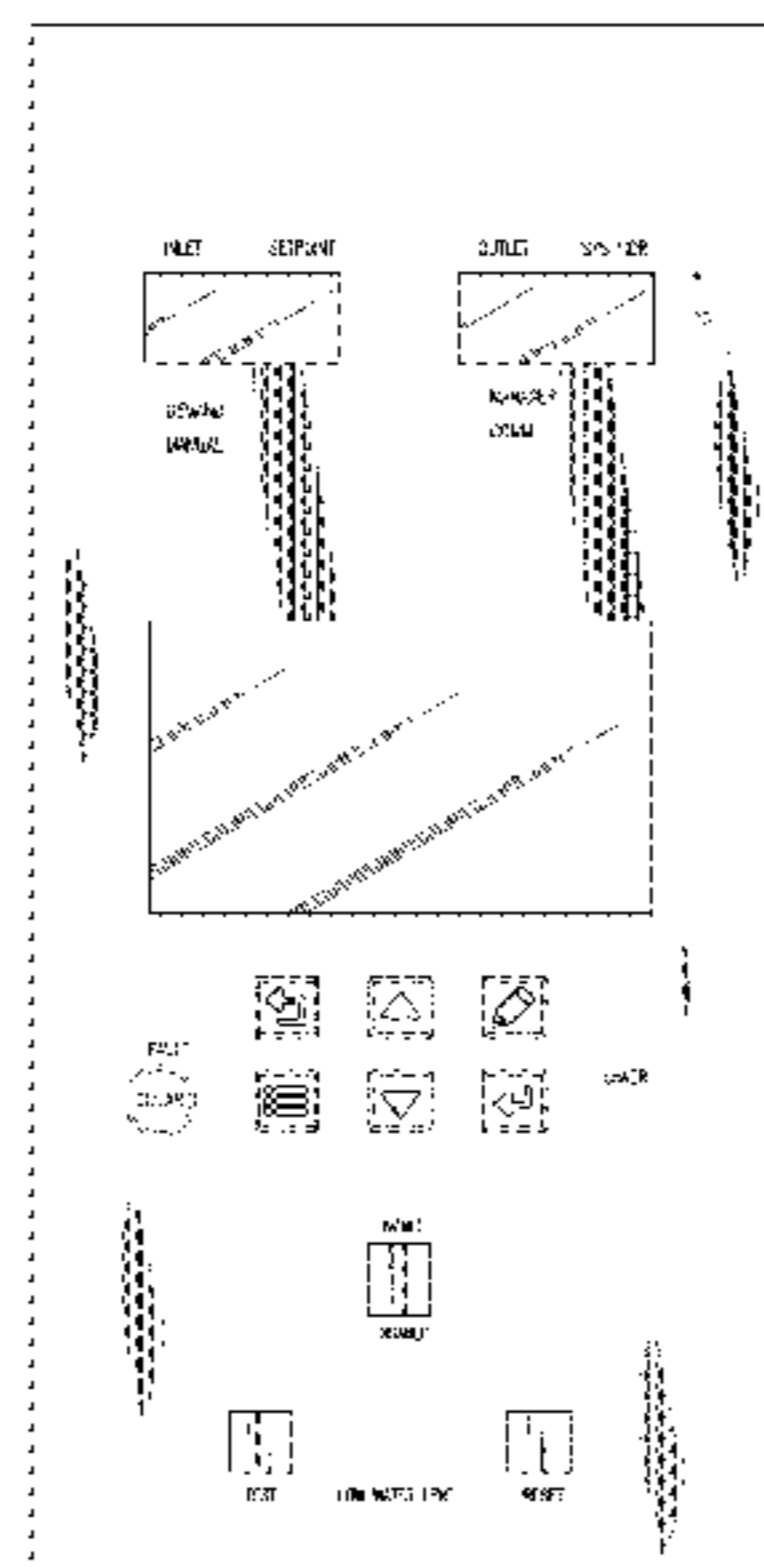
(57) **CLAIM**

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

**DESCRIPTION**

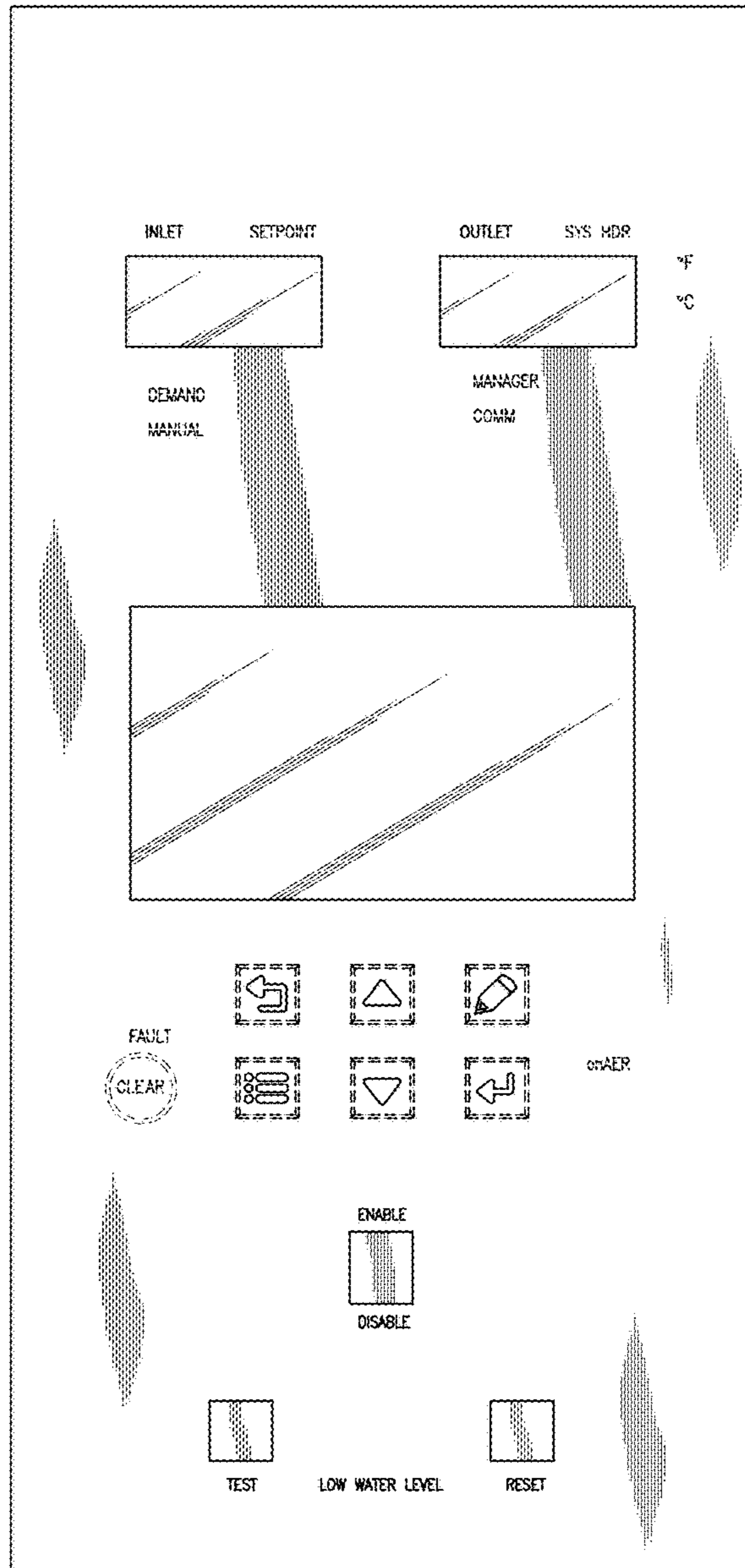
FIG. 1 is a front view of a front panel of a controller showing our new design;  
FIG. 2 is a front view of a front panel of a controller of FIG. 1 further incorporating a horizontal bar display;  
FIG. 3 shows a front view of the front panel of FIG. 2 mounted in a water heater; and,  
FIG. 4 shows a perspective view of the front panel of FIG. 2 mounted in a water heater.

(Continued)



In the drawings, the broken lines are for the purpose of illustrating environment only and form no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



**FIG.1**

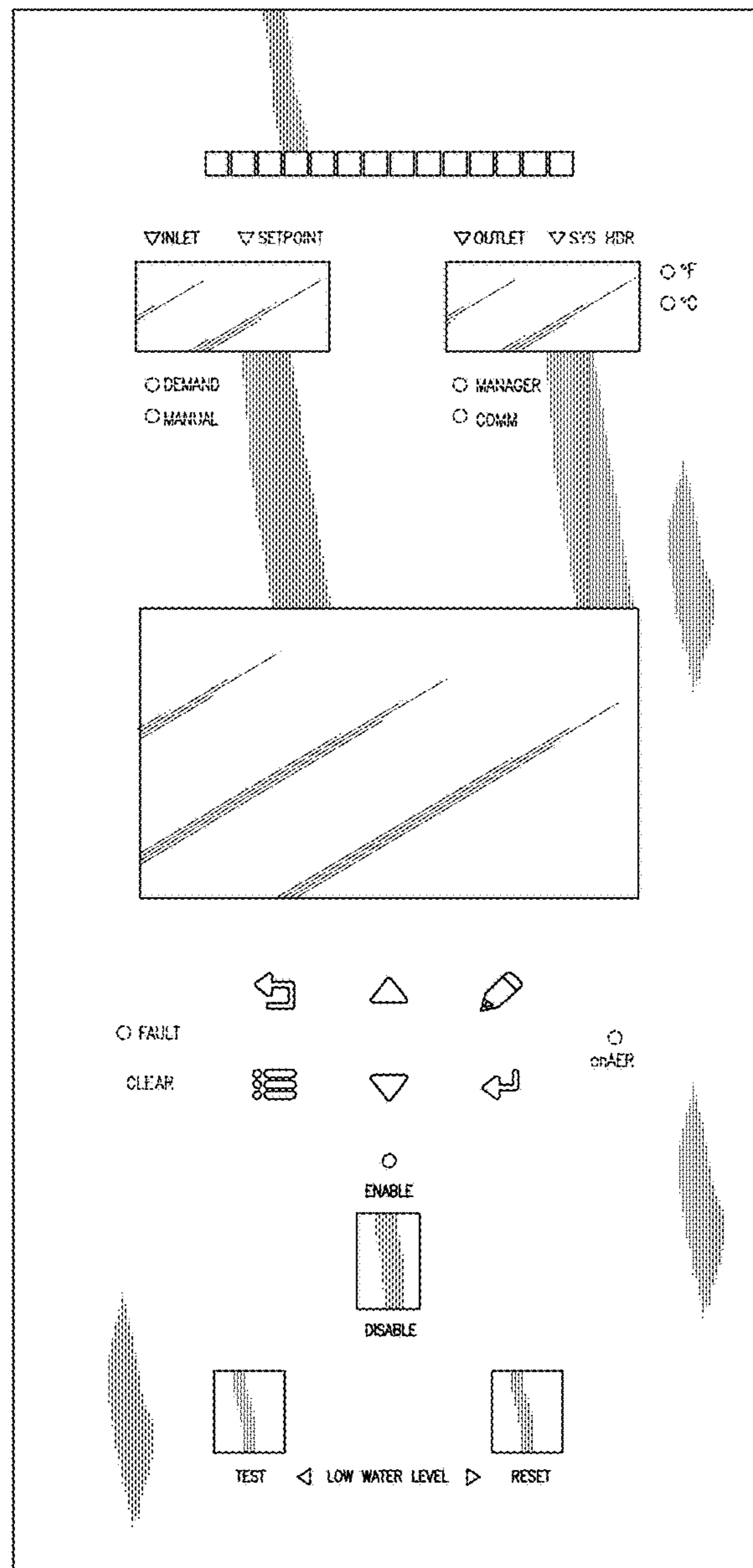


FIG. 2

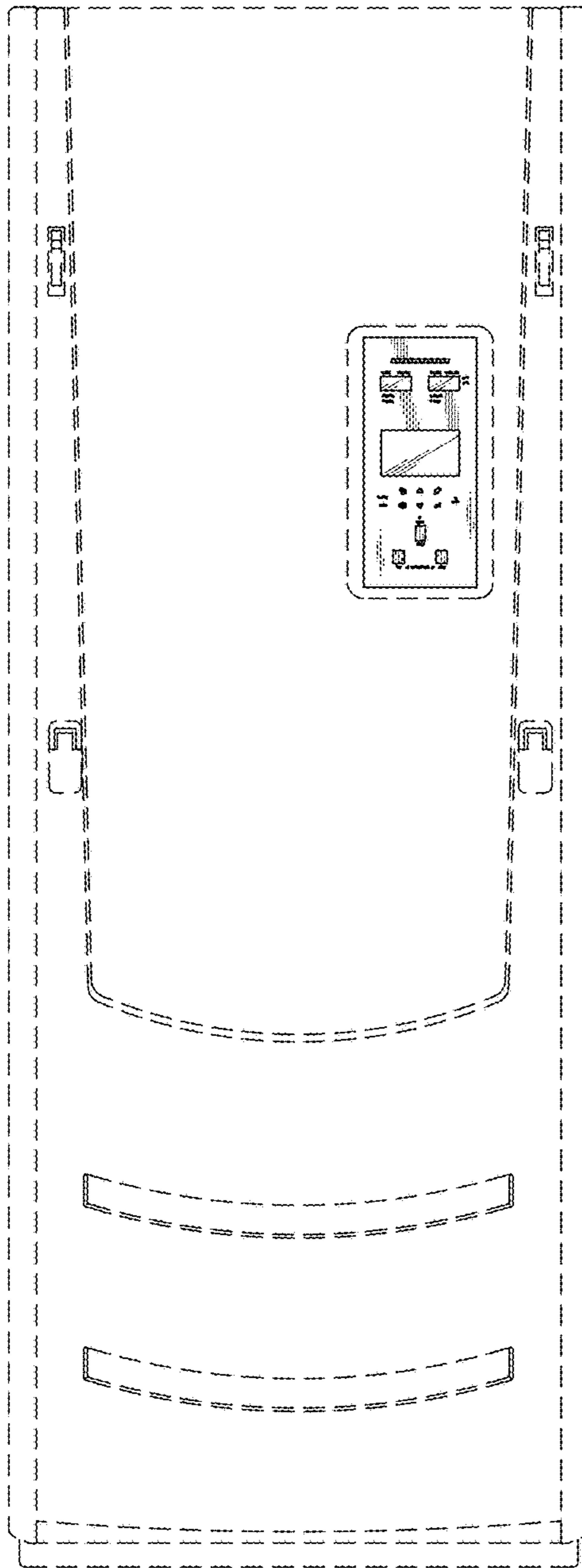


FIG. 3

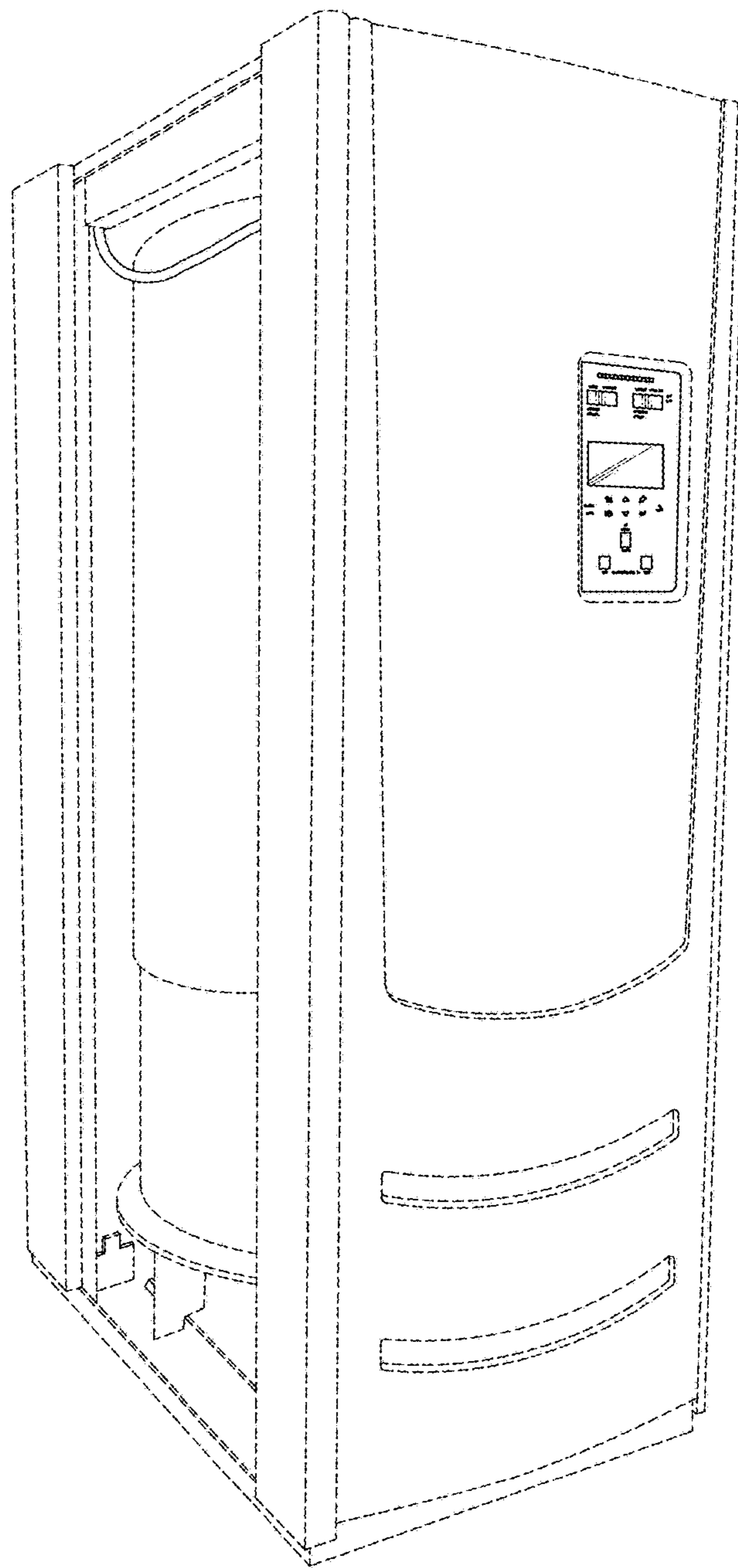


FIG.4