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

(10) **Patent No.: US D738,532 S**
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(54) **ELECTRIC THRESHOLD**

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(**) Term: **14 Years**

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(51) **LOC (10) Cl.** **25-02**

(52) **U.S. Cl.**
USPC **D25/48.2**

(58) **Field of Classification Search**
USPC D25/48.2, 48.3, 48.4, 47.1, 48.1, 48.8, D25/55, 59, 60, 125; 49/466–505, 380, 49/303–321, 358–359, 478.1, 493.1; 52/204.1, 211, 204.55, 210, 212–214, 52/204.56, 204.71, 204.72, 207, 293.3, 52/205, 741.4, 12, 3, 204.54; 254/88
CPC ... E06B 3/9632; E06B 3/663; E06B 3/66342; E06B 3/66347; E06B 3/66352; E06B 1/70; E06B 2001/707; E06B 7/14; E06B 7/18; E06B 7/22; E06B 7/26; E06B 7/205; E06B 7/231; E06B 7/2312; E06B 7/2314; E06B 7/2316; E06B 7/21; E06B 7/20; E06B 7/215
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,262,931	A *	4/1918	Dupen	49/306
1,682,389	A *	8/1928	Ludeke	49/308
1,709,419	A *	4/1929	Sward	49/308
2,033,241	A *	3/1936	Hawk	49/310
2,567,610	A *	9/1951	Marsden	49/308
3,072,975	A *	1/1963	Burmeister	49/317
3,075,258	A *	1/1963	Petkwitz	49/478.1
3,199,155	A *	8/1965	Coleman	49/309
3,418,753	A *	12/1968	Hanson	49/308
3,504,456	A *	4/1970	Frederick, Jr.	49/470
3,668,807	A *	6/1972	Thompson	49/482.1
3,703,788	A *	11/1972	Rivers	49/307
4,406,088	A *	9/1983	Berndt, Jr.	49/309
4,805,345	A *	2/1989	Ohi	49/308
4,852,302	A *	8/1989	Berniola Gil	49/482.1
4,947,584	A *	8/1990	Wexler	49/307
5,581,949	A *	12/1996	Wu	49/467
5,642,588	A *	7/1997	Sowers	49/307
5,675,935	A *	10/1997	Lin	49/306
6,082,047	A *	7/2000	Comaglio et al.	49/308
6,125,584	A *	10/2000	Sanders	49/312
6,195,939	B1 *	3/2001	Sowers	49/310
8,464,467	B2 *	6/2013	Lambertini	49/321
8,683,747	B2 *	4/2014	Kim	49/471
2004/0010973	A1 *	1/2004	Lio et al.	49/306

(Continued)

OTHER PUBLICATIONS

Automatic Door Bottom, http://www.tmhardware.com/Automatic-Door-Bottom-Mortised-for-Metal-Door-with-Choice-of-Seals.html, 2015, 1 page.*

(Continued)

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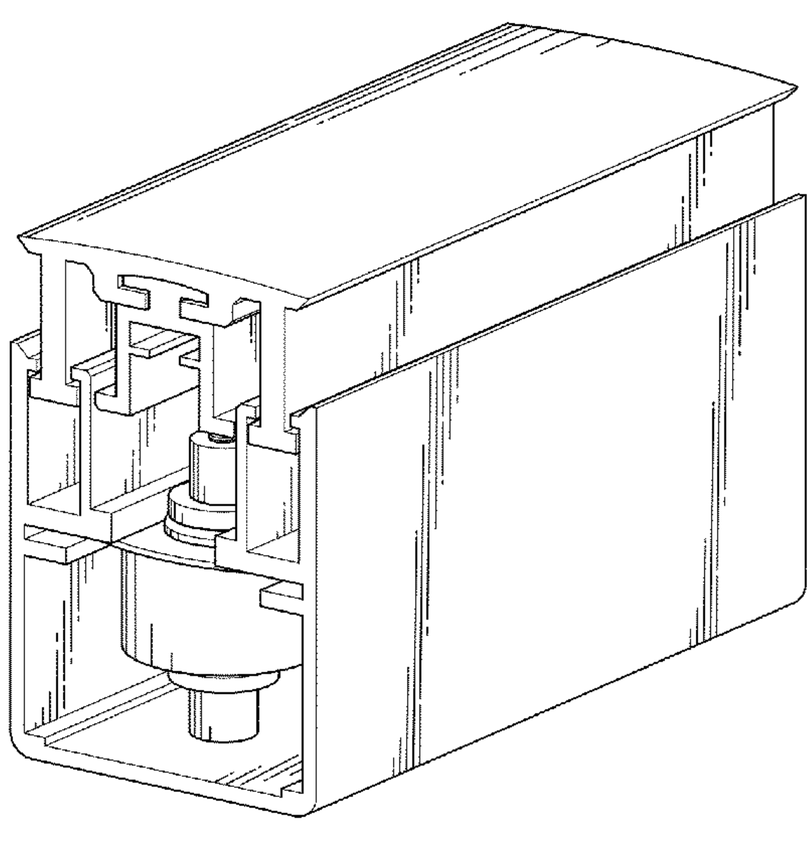
(57) **CLAIM**

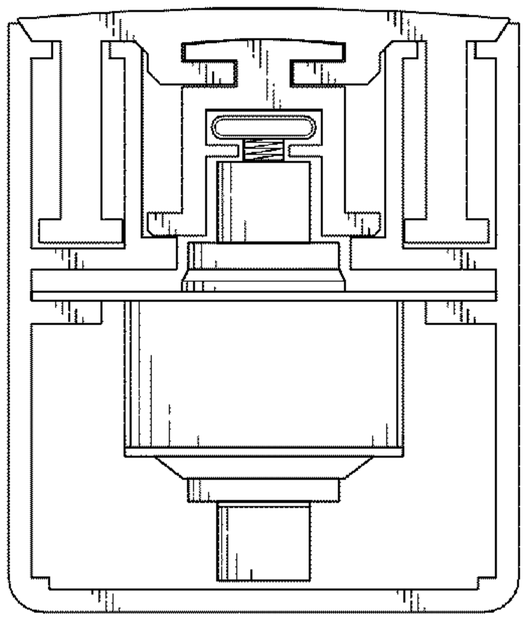
The ornamental design for an electric threshold, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of an electric threshold showing my new design;
FIG. **2** is a front view thereof;
FIG. **3** is a rear view thereof;
FIG. **4** is a left side view thereof;
FIG. **5** is a right side view thereof;
FIG. **6** is a top view thereof;
FIG. **7** is a bottom view thereof; and,
FIG. **8** is a front elevational view thereof, wherein the electric threshold is in a collapsed configuration.

1 Claim, 8 Drawing Sheets





(56) **References Cited**

U.S. PATENT DOCUMENTS

2005/0193784	A1*	9/2005	Sanders	70/106
2006/0101719	A1*	5/2006	Purlee	49/470
2009/0007492	A1*	1/2009	Rudduck et al.	49/316
2009/0077895	A1*	3/2009	Tshai	49/316
2011/0271601	A1*	11/2011	Flory et al.	49/482.1
2013/0219792	A1*	8/2013	Parker	49/306
2014/0137476	A1*	5/2014	Kim	49/305

OTHER PUBLICATIONS

Automatic Door Bottom, http://www.tmhardware.com/Automatic-Door-Bottom-High-Sound-Surface-Mounted.html , 2015, 1 page.*

Automatic Door Bottom, http://www.tmhardware.com, 2015, 1 page.*

Pemko Automatic Door Bottom, http://www.pemko.com/index.cfm?event=products.productListing&searchName=Search+by+Category&ratingIds=&categoryId=893&subcategoryId=918&productMaterialId=, 2015, 1 page.*

Hager Aluminum Automatic Door Bottom, https://absupply.net/Hager-742SMILV-28-Mill-Finish-Aluminum-Automatic-Door-Bottom-for-Hollow-Metal-Doors-with-Vinyl-insert.aspx, 2015, 1 page.*

KNC (K.N. Crowder) Automatic Door Bottom, http://www.allmar.com/products/k-n-crowder-knc-ct-54-automatic-door-bottom/#foxyshop_gallery[2585]/1/, 2015, 1 page.*

* cited by examiner

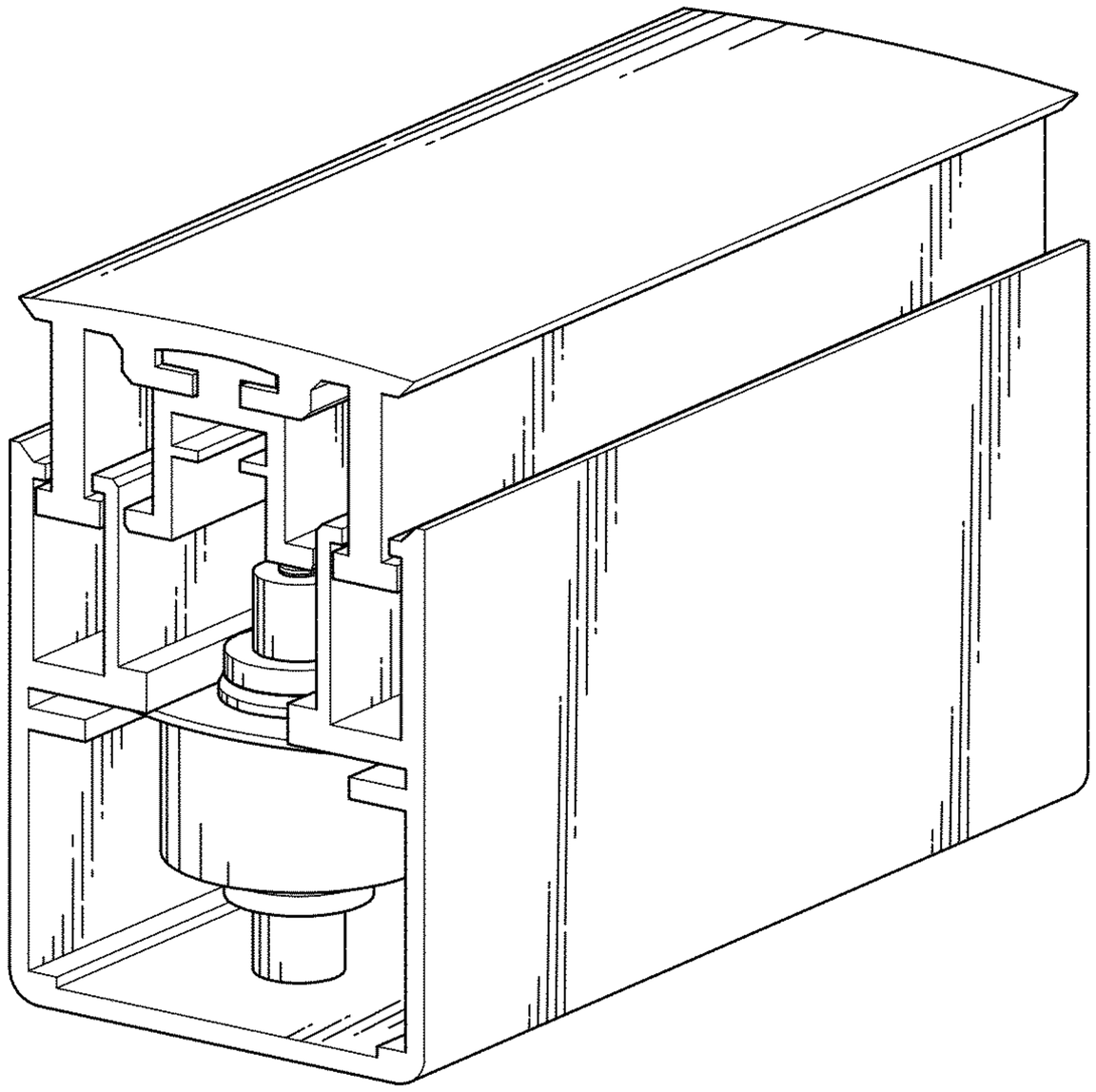


Fig.1

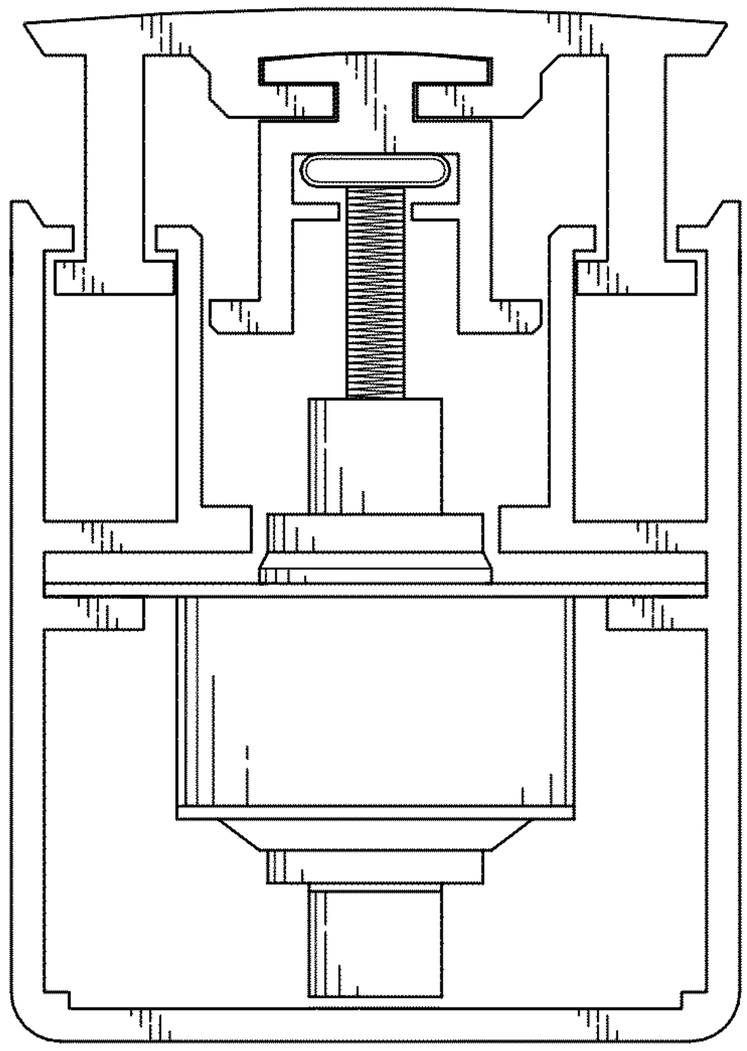


Fig.2

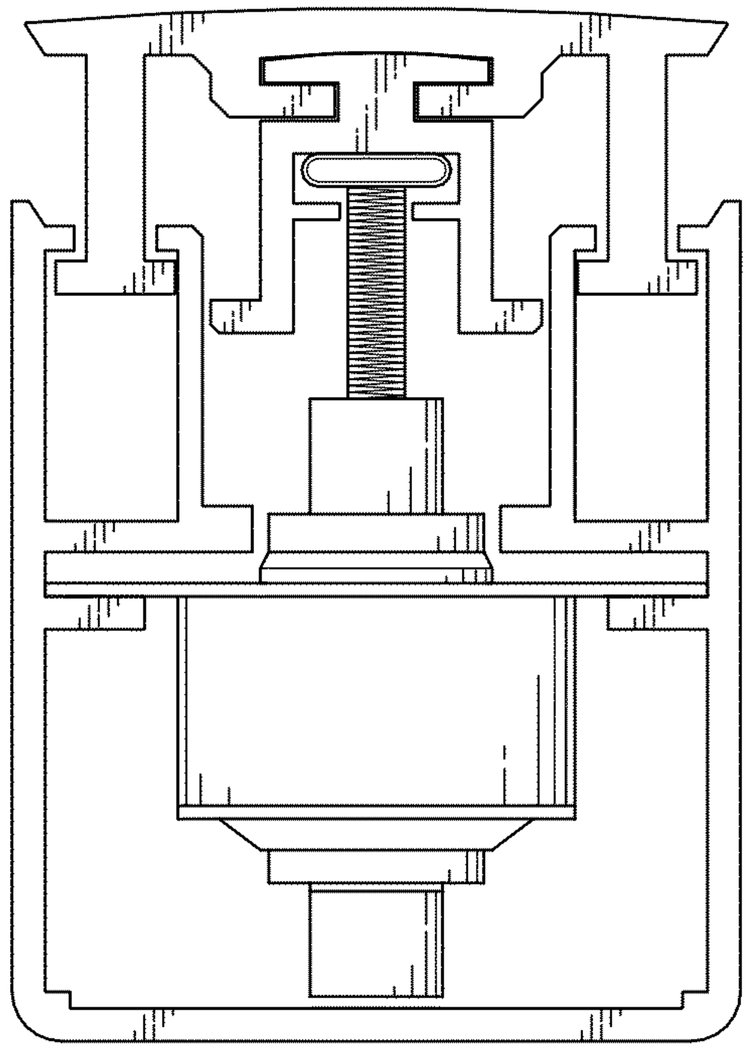


Fig.3

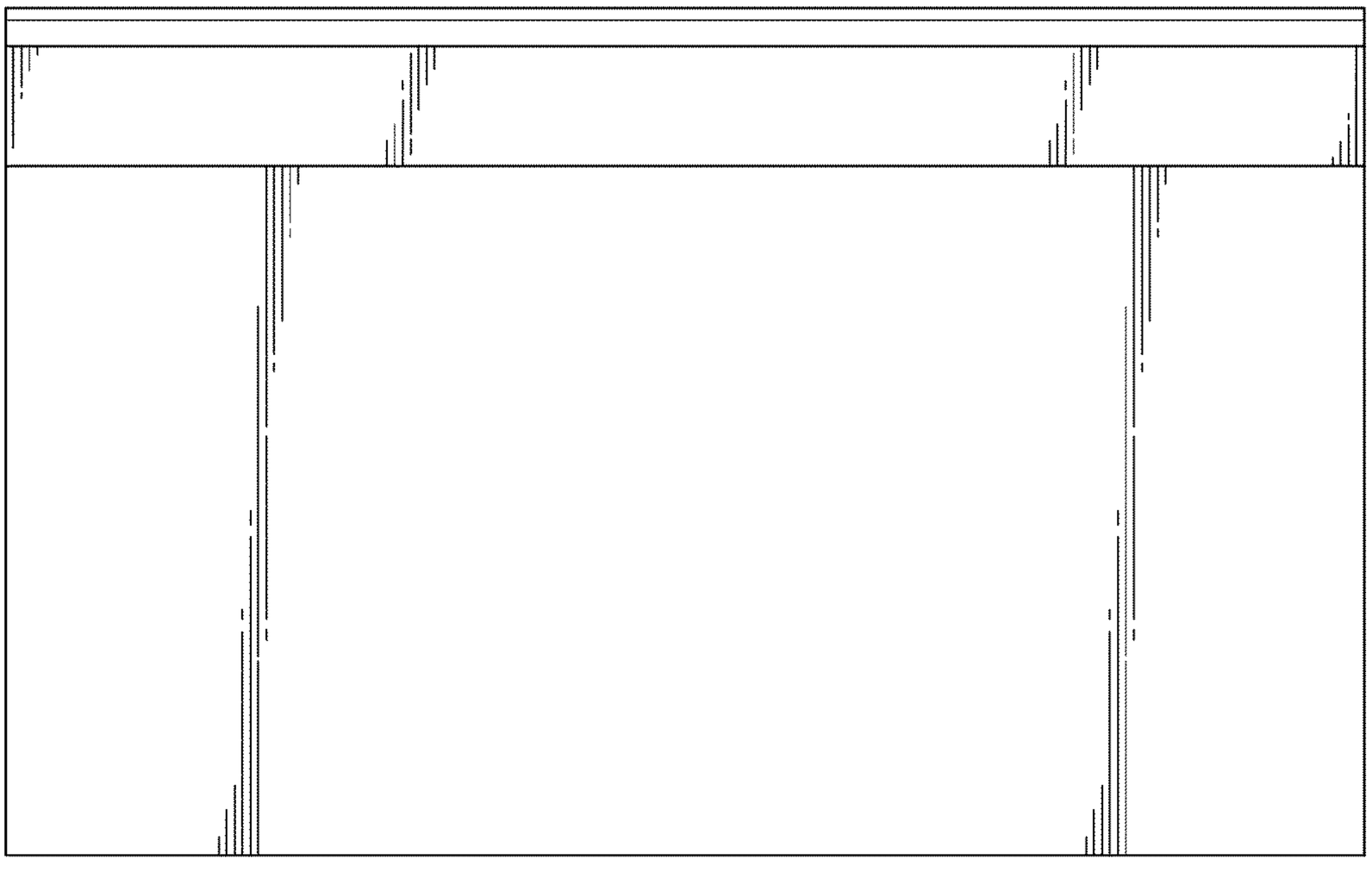


Fig.4

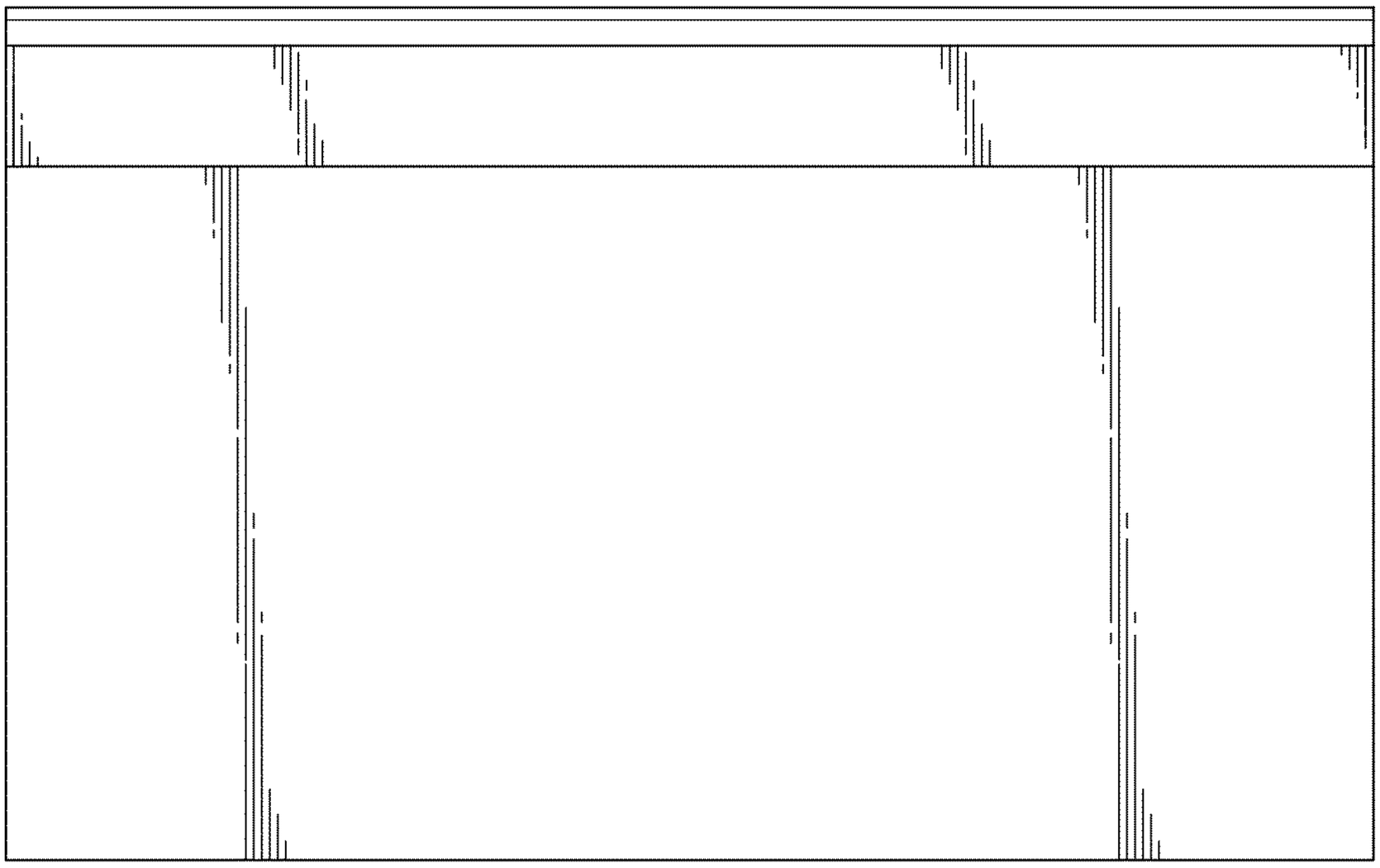


Fig.5

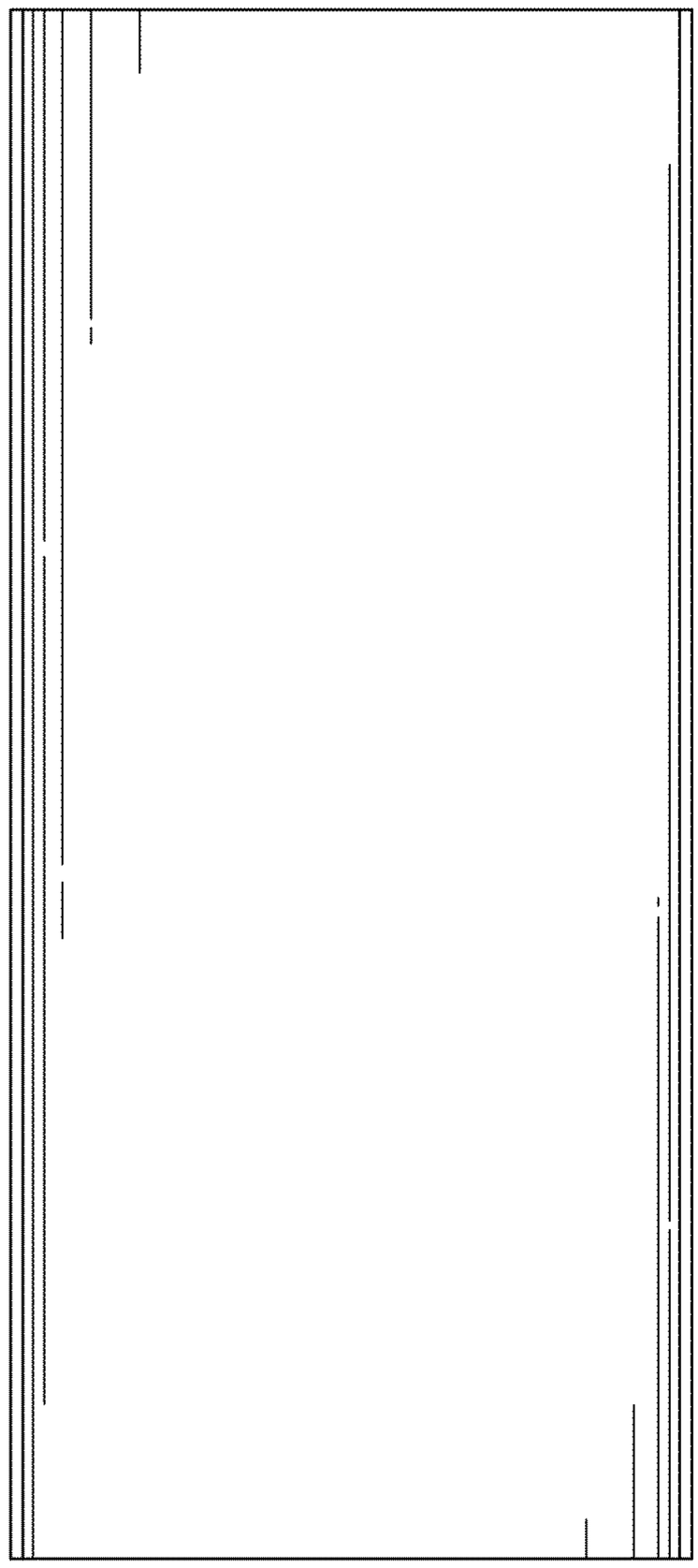


Fig.6

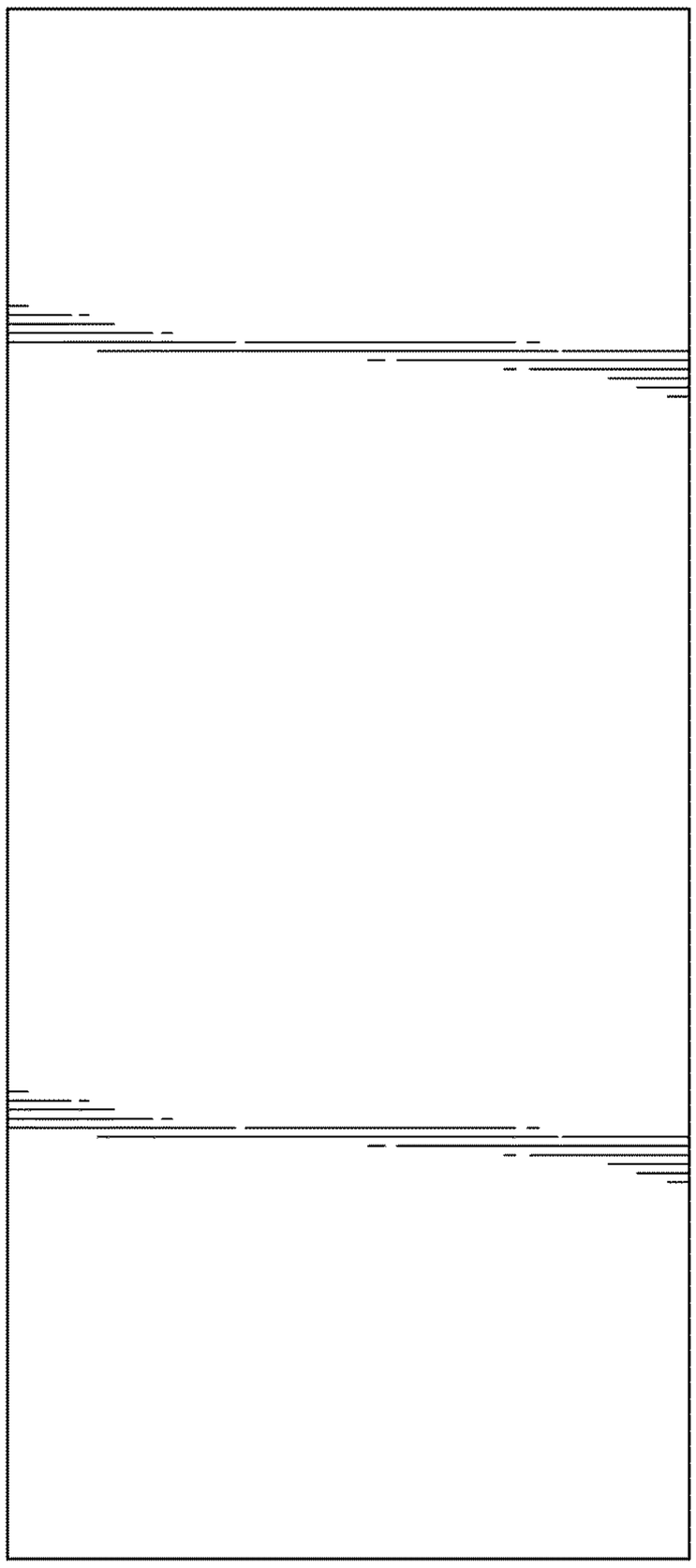


Fig.7

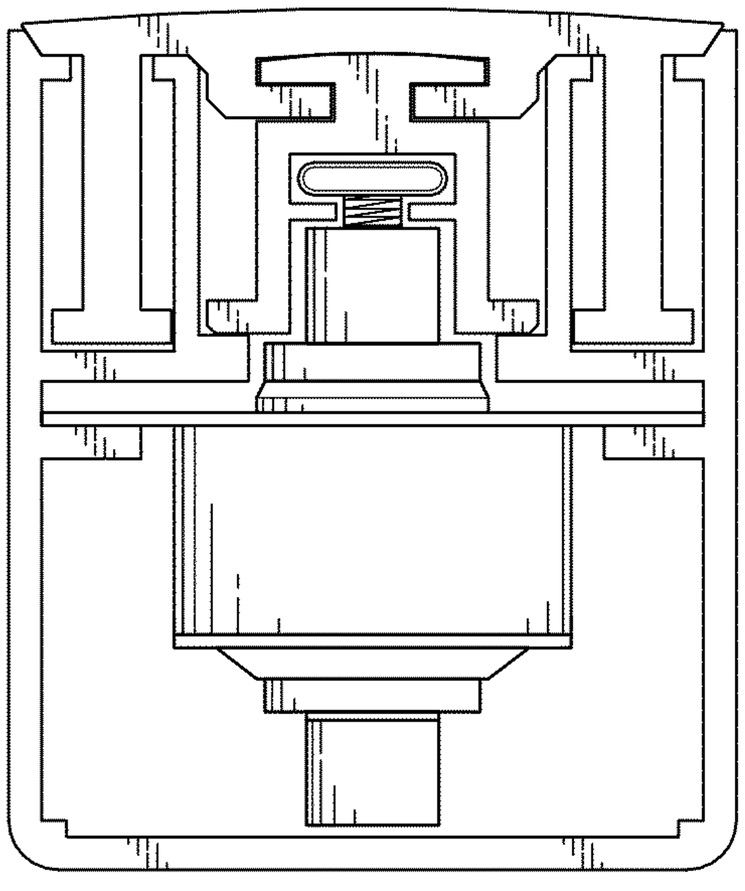


Fig.8