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

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(54) **FLUID CARTRIDGE**

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(US)

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

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(51) **LOC (10) CL.** **24-00**

(52) **U.S. Cl.**
USPC **D24/162**

(58) **Field of Classification Search**
USPC D24/137, 138, 140, 150, 157, 224, 225, D24/160, 162, 166, 172, 174, 177, 183, 185, D24/186, 199, 216, 277, 230, 231, 232, 234, D24/454; 210/808, 232, 239; 206/223; 435/806; 436/8, 65, 814; 422/543, 538, 422/537, 500

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D288,478 S	2/1987	Carlson et al.	
5,042,691 A *	8/1991	Maldonado	222/144.5
D336,514 S	6/1993	Valerio et al.	
D390,661 S	2/1998	Foggia	
D445,509 S *	7/2001	Berndt et al.	D24/232
D447,569 S	9/2001	Baily et al.	
D489,816 S	5/2004	Ross	
D597,216 S	7/2009	McGuigan et al.	
D634,442 S *	3/2011	Tajima et al.	D24/232

D638,545 S	5/2011	Okawa et al.	
D647,209 S	10/2011	Muller et al.	
D657,067 S *	4/2012	Shibata	D24/216
D675,335 S	1/2013	Feuerabend et al.	
D681,231 S	4/2013	Steinhauer et al.	
D694,422 S	11/2013	Cook et al.	
D705,943 S *	5/2014	Chang et al.	D24/216
8,741,234 B2 *	6/2014	Wang et al.	422/554
8,741,235 B2 *	6/2014	Janisch et al.	422/554
2007/0172388 A1	7/2007	Padmanabhan et al.	
2009/0065368 A1	3/2009	Davis et al.	
2010/0273248 A1	10/2010	Ha et al.	

(Continued)

OTHER PUBLICATIONS

U.S. Appl. No. 29/437,042, filed Nov. 12, 2012, Lin et al.

(Continued)

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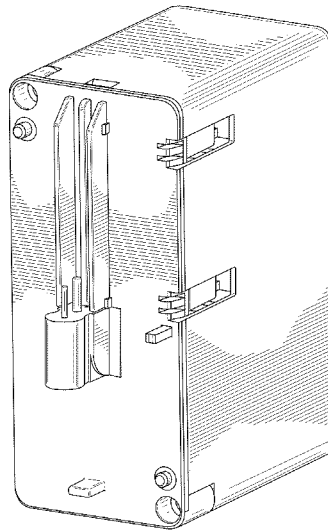
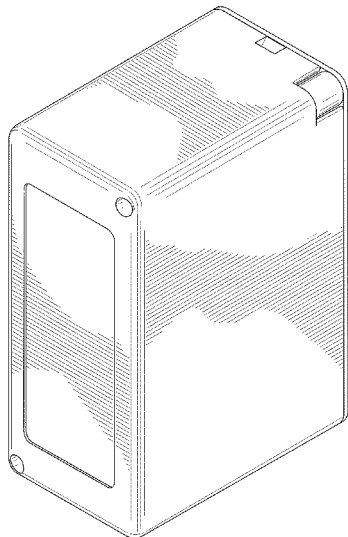
(57) **CLAIM**

We claim the ornamental design for a fluid cartridge, as shown and described.

DESCRIPTION

FIG. 1 is a top, front, right perspective view of an embodiment of the claimed design;
FIG. 2 is a top, rear, left perspective view thereof;
FIG. 3 is a front elevation view thereof;
FIG. 4 is a rear elevation view thereof;
FIG. 5 is a bottom plan view thereof;
FIG. 6 is a top plan view thereof;
FIG. 7 is a right elevation view thereof; and,
FIG. 8 is a left elevation view thereof.
The ornamental design which is claimed is shown in solid lines in the drawings.

1 Claim, 8 Drawing Sheets



(56)

References Cited

OTHER PUBLICATIONS

U.S. PATENT DOCUMENTS

2010/0328405 A1* 12/2010 Ness et al. 347/86
2011/0086378 A1 4/2011 Shany et al.
2011/0198241 A1 8/2011 Murakami
2011/0229373 A1 9/2011 Asakura
2011/0287447 A1* 11/2011 Norderhaug et al. 435/7.1
2012/0179101 A1 7/2012 Briones et al.
2012/0193376 A1* 8/2012 Evans et al. 222/207
2012/0218740 A1 8/2012 Estes et al.
2013/0140177 A1 6/2013 Lin et al.
2013/0140179 A1 6/2013 Lin et al.
2013/0142709 A1* 6/2013 Lin et al. 422/538

U.S. Appl. No. 29/437,044, filed Nov. 12, 2012, Lin et al.
Search Report and Written Opinion for Int'l Appln No. PCT/
US2012/068299, mailed Apr. 1, 2013.
US Office Action of 104218-0200 mailed Jun. 5, 2013.
Office Action issued in related U.S. Appl. No. 29/437,044, dated May
21, 2014.
International Preliminary Report on Patentability issued in related
International Patent Application No. PCT/US2012/068299, dated
Jun. 10, 2014.

* cited by examiner

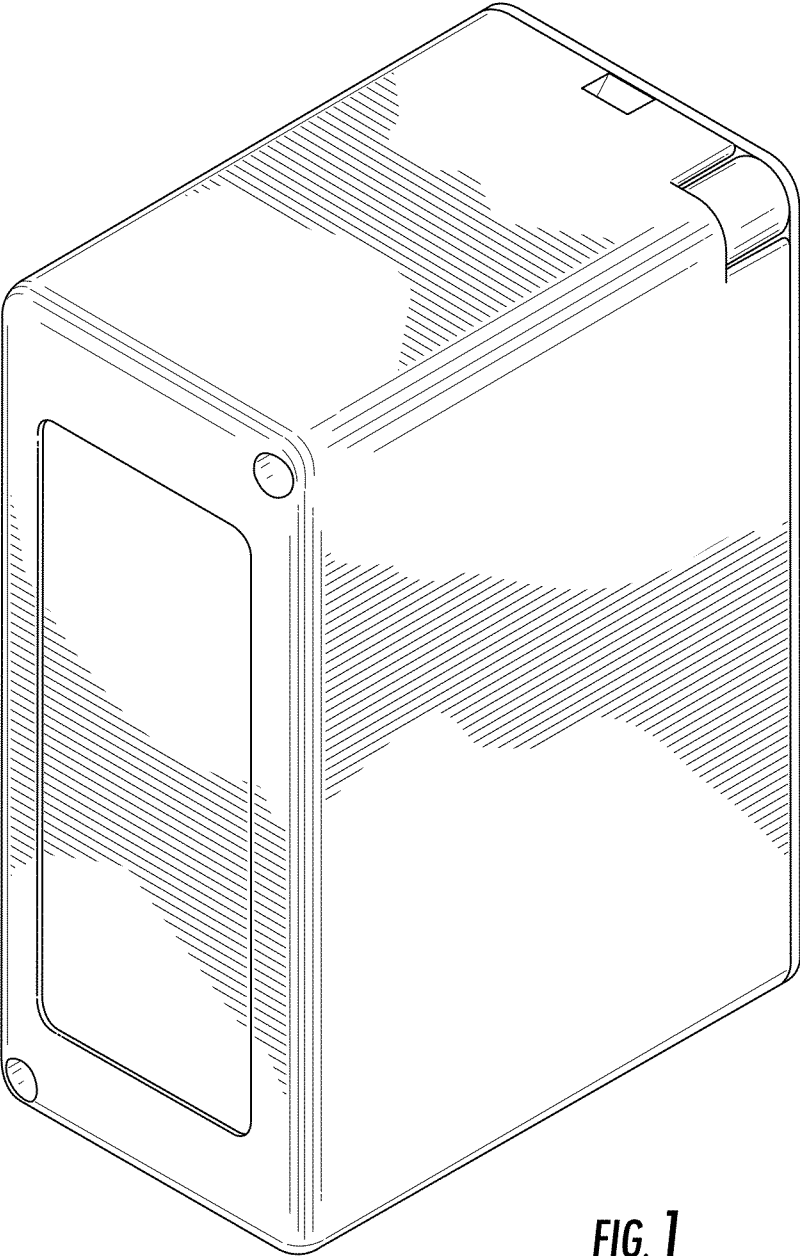


FIG. 1

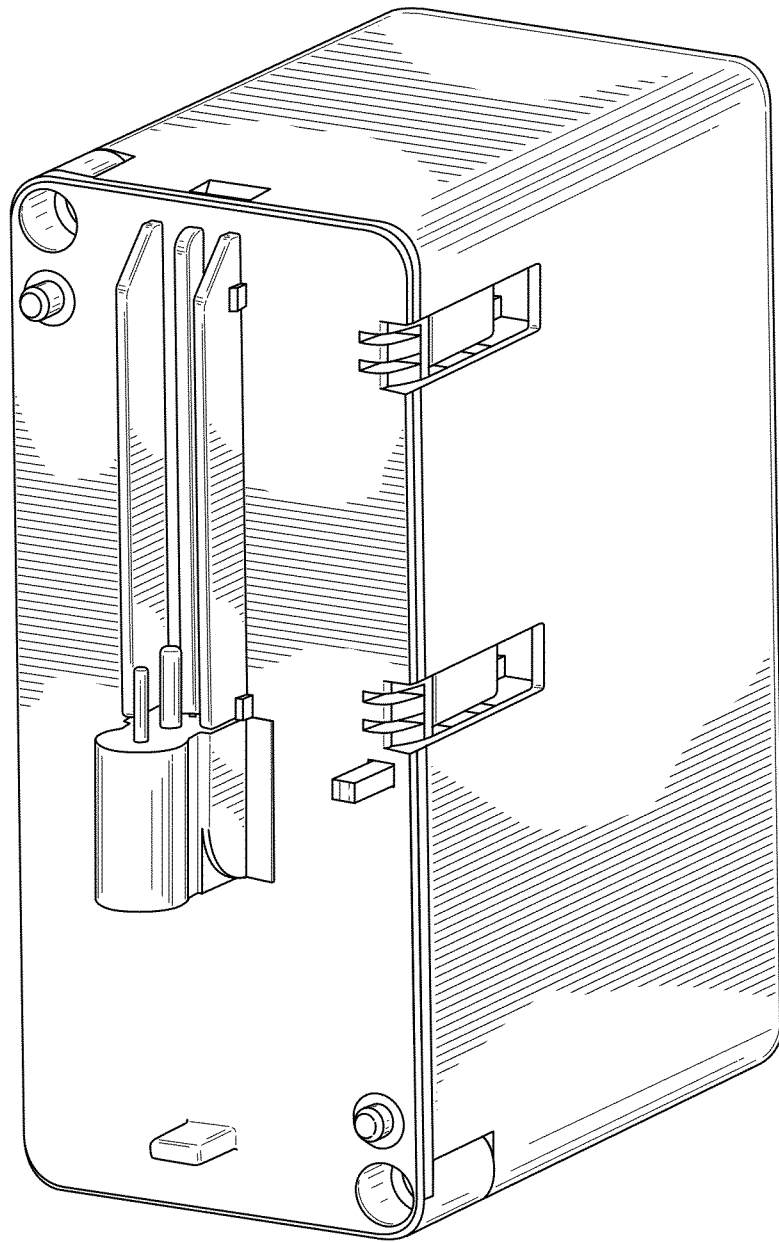


FIG. 2

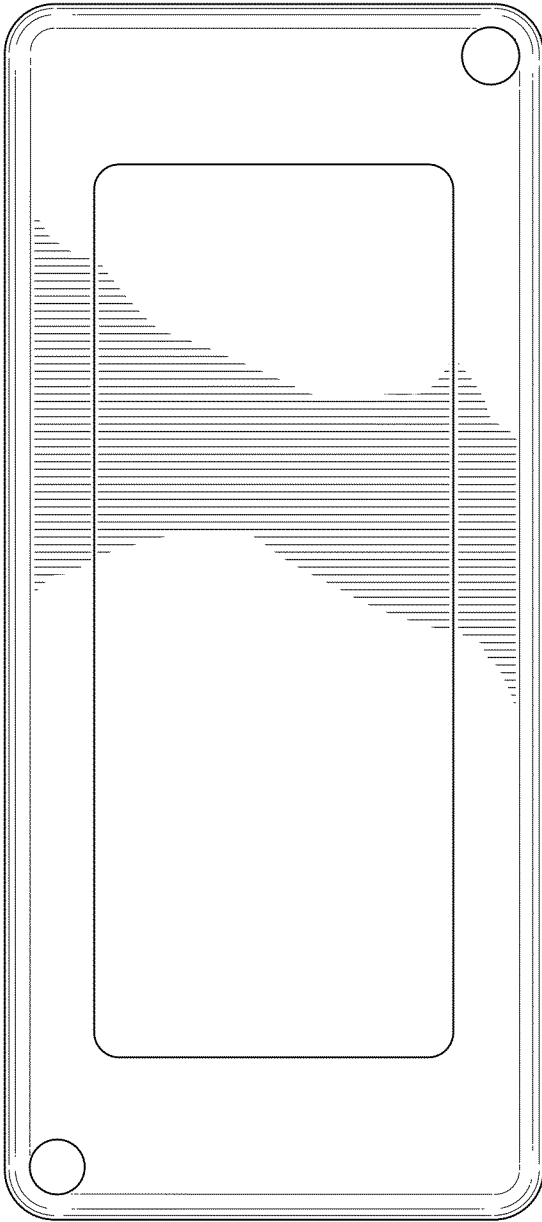


FIG. 3

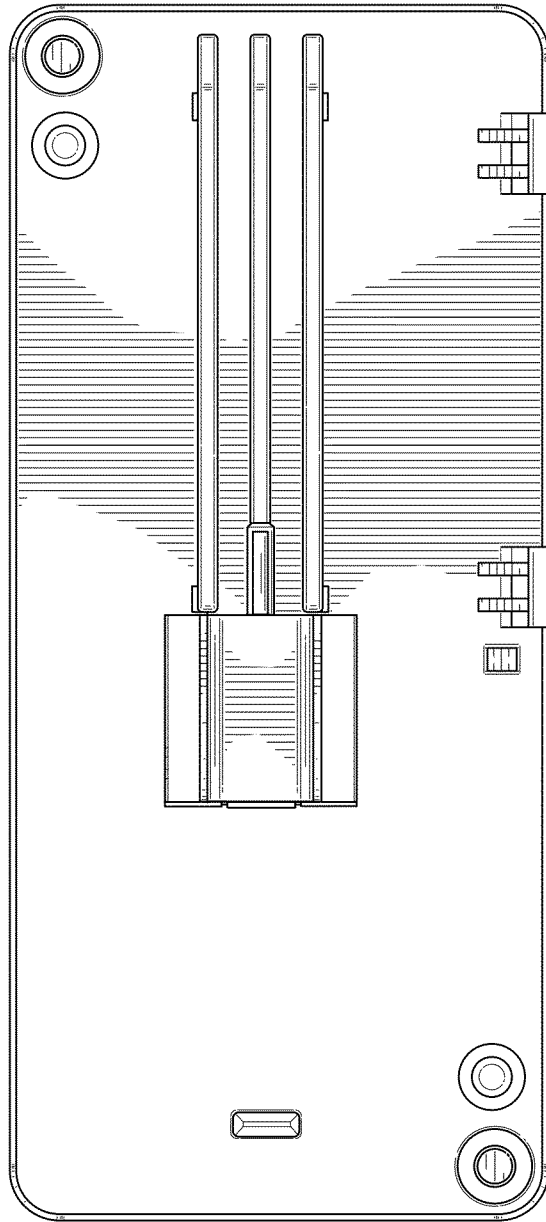


FIG. 4

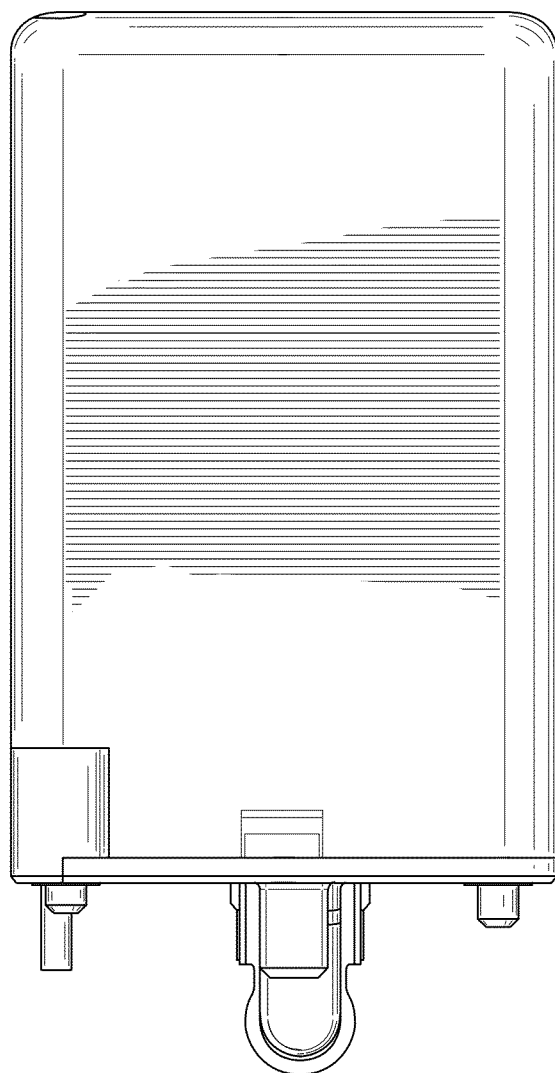


FIG. 5

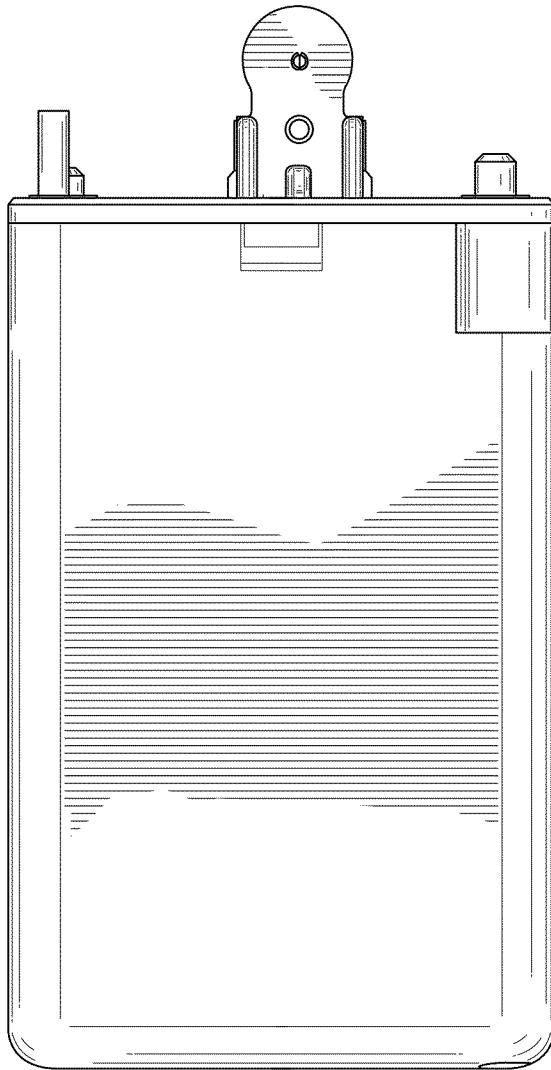


FIG. 6

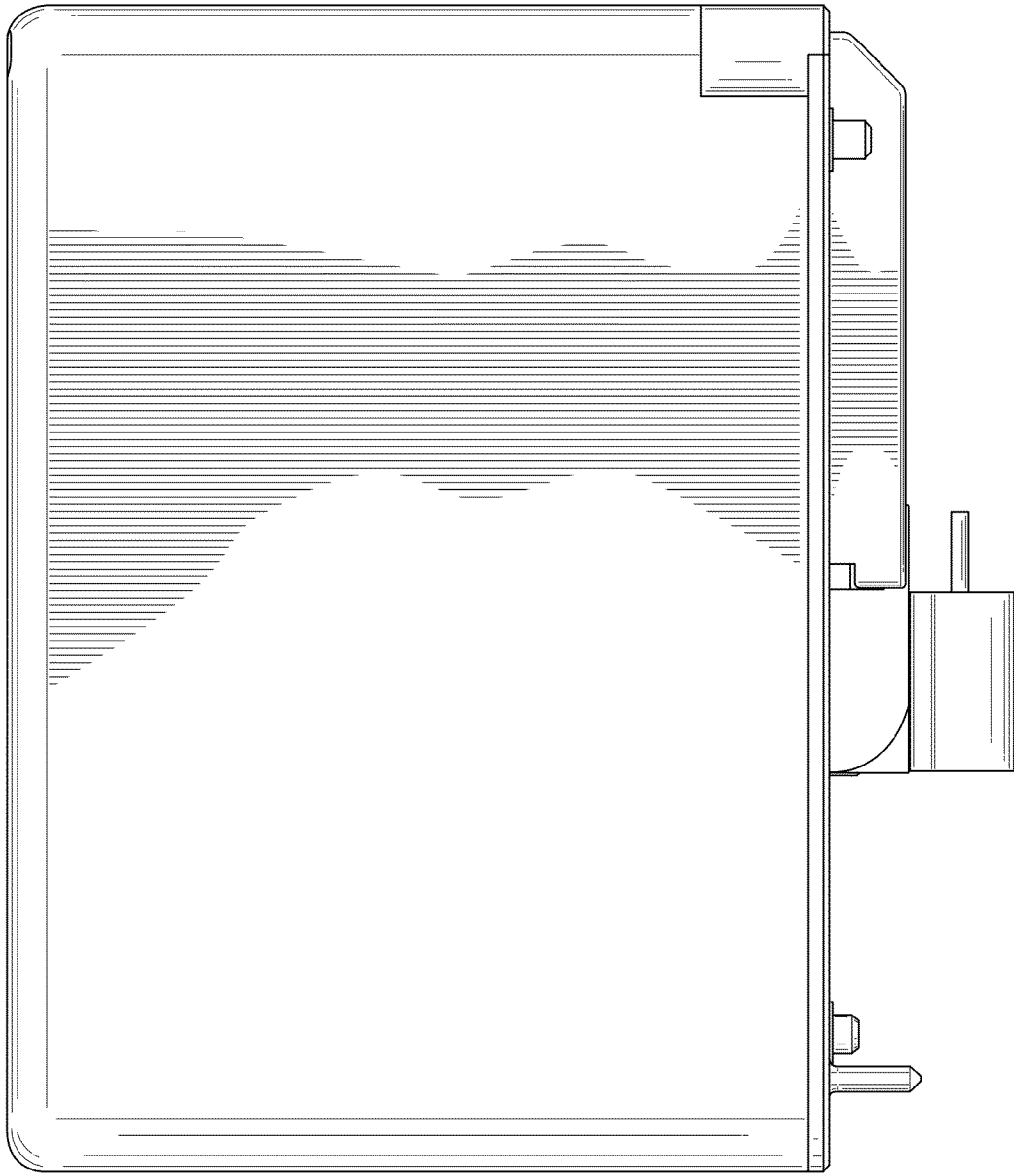


FIG. 7

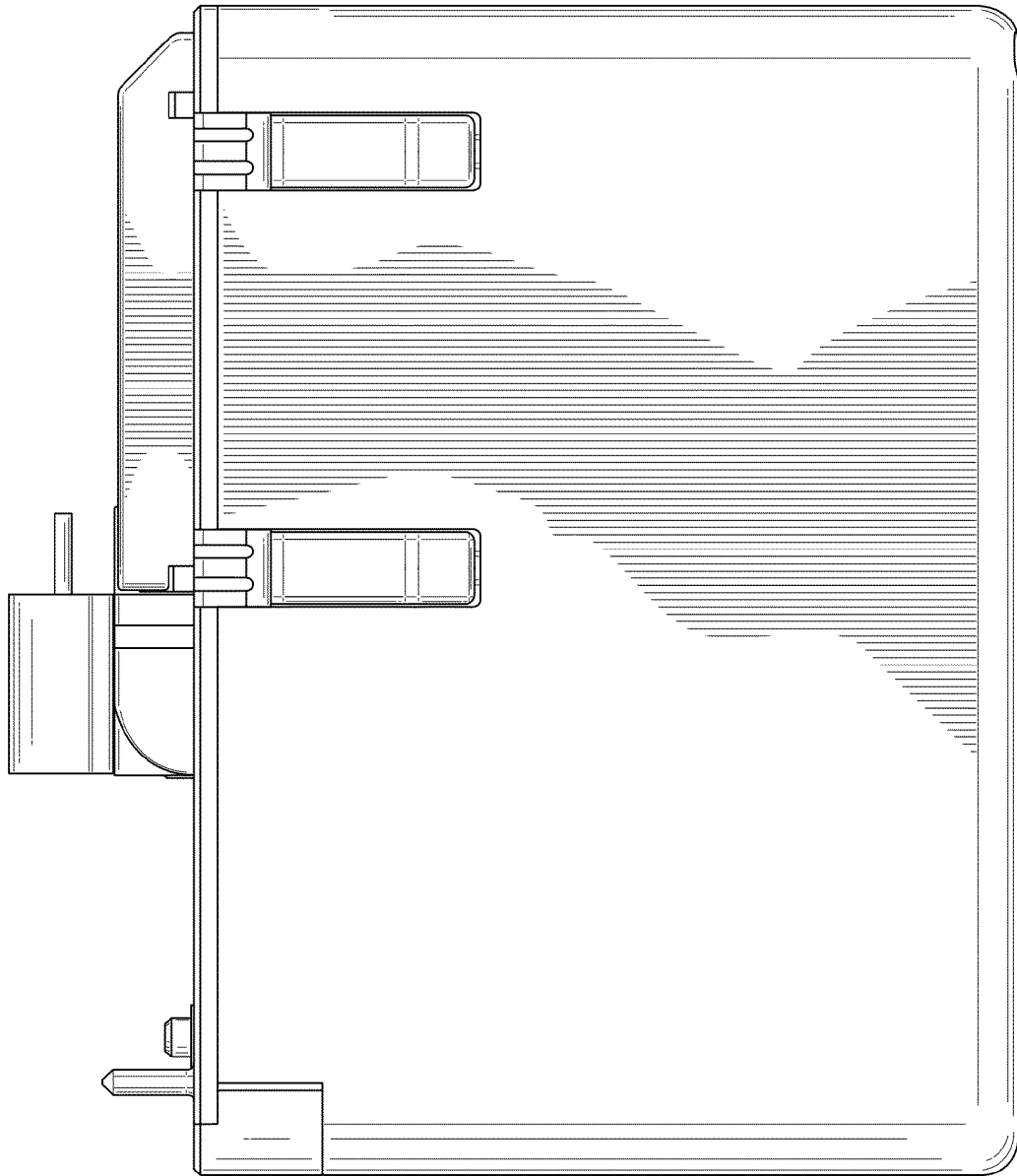


FIG. 8