US00D755730S

(12) United States Design Patent

Välivainio et al.

(10) Patent No.: US D755,730 S
(45) Date of Patent: ** May 10, 2016

(54) **SWITCH WITH CONNECTION BAR**

(71) Applicant: **ABB Oy**, Helsinki (FI)

(72) Inventors: **Mikko Välivainio**, Vaasa (FI); **Oskari Ulitto**, Vaasa (FI); **Juha Soldan**, Vaasa (FI)

(73) Assignee: **ABB OY**, Helsinki (FI)

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

(21) Appl. No.: **29/508,454**

(22) Filed: **Nov. 6, 2014**

Related U.S. Application Data

(62) Division of application No. 29/477,109, filed on Dec. 19, 2013, now Pat. No. Des. 725,048.

(30) **Foreign Application Priority Data**

Oct. 21, 2013 (EM) 002329821

(51) **LOC (10) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/158**

(58) **Field of Classification Search**
USPC D13/110, 112, 123, 133, 146, 147, D13/158–161, 171–174, 184, 199
CPC H05K 5/00; H02B 1/26; H01R 13/53; H01H 19/58; H01H 21/58; H01H 9/00; H01H 9/02; H01H 9/26; H01H 9/40; H01H 1/64; H01H 1/365; H01H 50/00; H01H 7/00; H01H 1/20; H01H 1/2041; H01H 1/22
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,424,900	A	6/1995	Kiiskinen et al.	
D571,303	S	6/2008	Jokiniemi et al.	
7,741,572	B2 *	6/2010	Mattlar	H01H 9/0066 200/293
D642,991	S	8/2011	Mattlar et al.	
D653,624	S	2/2012	Mattlar et al.	
D654,441	S	2/2012	Mattlar et al.	
D654,878	S	2/2012	Mattlar et al.	
D655,680	S	3/2012	Mattlar et al.	
D679,663	S	4/2013	Mattlar et al.	
D714,228	S *	9/2014	Valivainio	D13/158
D725,048	S *	3/2015	Valivainio	D13/158
D731,440	S *	6/2015	Valivainio	D13/158

OTHER PUBLICATIONS

Non-fusible disconnect switches, [online, p. 19], [site visited Aug. 11, 2014]. Available from Internet, <URL: http://www.clrwtr.com/PDF/ABB-Controls/ABB-Non-Fusible-Disconnects.pdf>.
(Continued)

Primary Examiner — Thomas Johannes
Assistant Examiner — Shawn T Gingrich
(74) *Attorney, Agent, or Firm* — Buchanan Ingersoll & Rooney PC

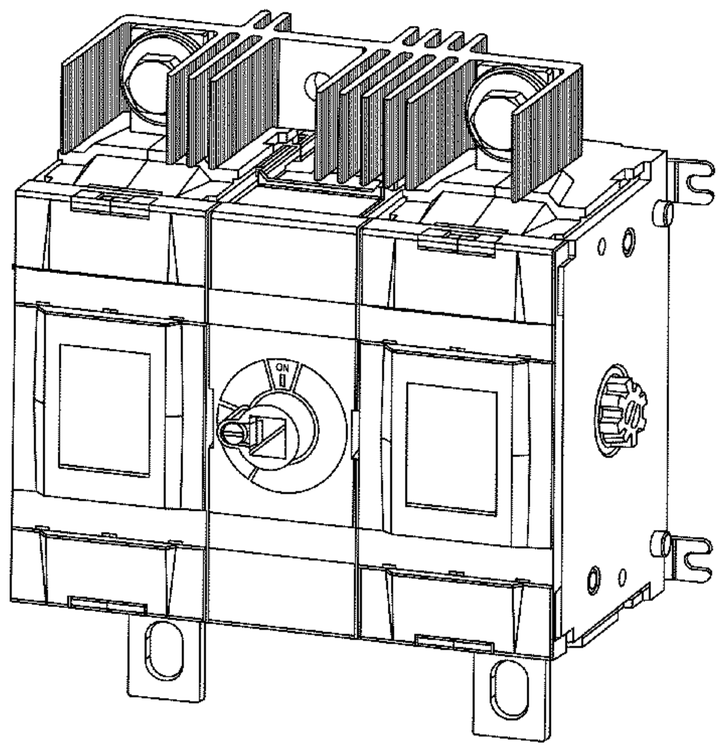
(57) **CLAIM**

The ornamental design for a switch with connection bar, as shown and described.

DESCRIPTION

FIG. **1** is a front perspective view of a switch with connection bar showing our new design.
FIG. **2** is a front elevational view thereof.
FIG. **3** is a bottom plan view thereof.
FIG. **4** is a top plan view thereof.
FIG. **5** is a left end elevational view thereof; and,
FIG. **6** is a right end elevational view thereof.
The broken line portion of the drawing figures is included to show portions of the article that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56) **References Cited**

OTHER PUBLICATIONS

DC disconnect switch, [online], [site visited Aug. 11, 2014]. Available from Internet, <URL: http://www.directindustry.com/prod/abb-breakers-switches/dc-disconnet-switches-88554-1348755.html>.

Switch-Disconnectors—OT, [online], [site visited Aug. 11, 2014]. Available from Internet, <URL: http://www.abb.com/product/seitp329/25fd8b 166ddc692fc 1256e91 002982dd.aspx?tabKey=2&fig=ABB1SCA123767R1001&cid=9AAC100796>.

* cited by examiner

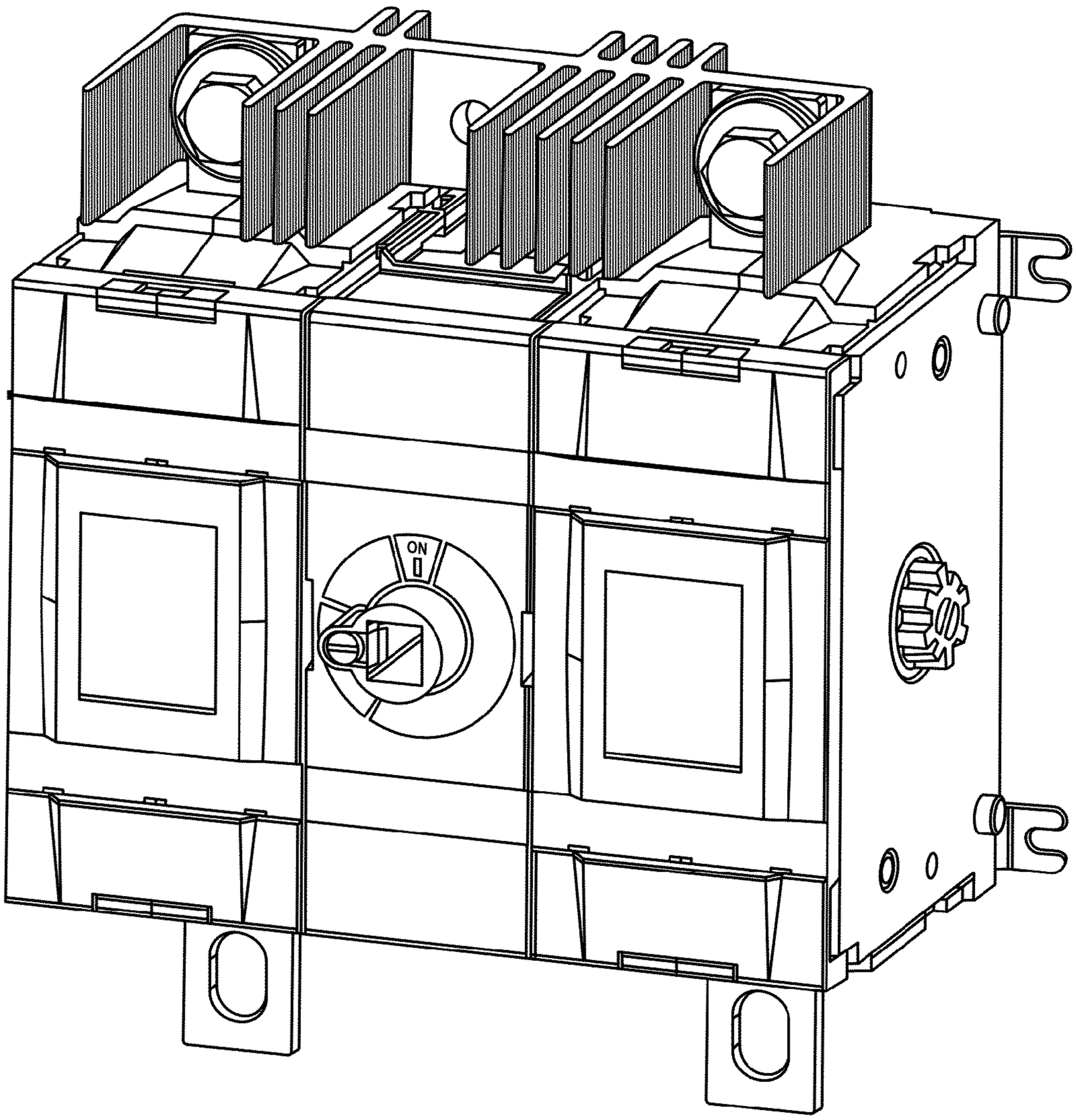


FIG. 1

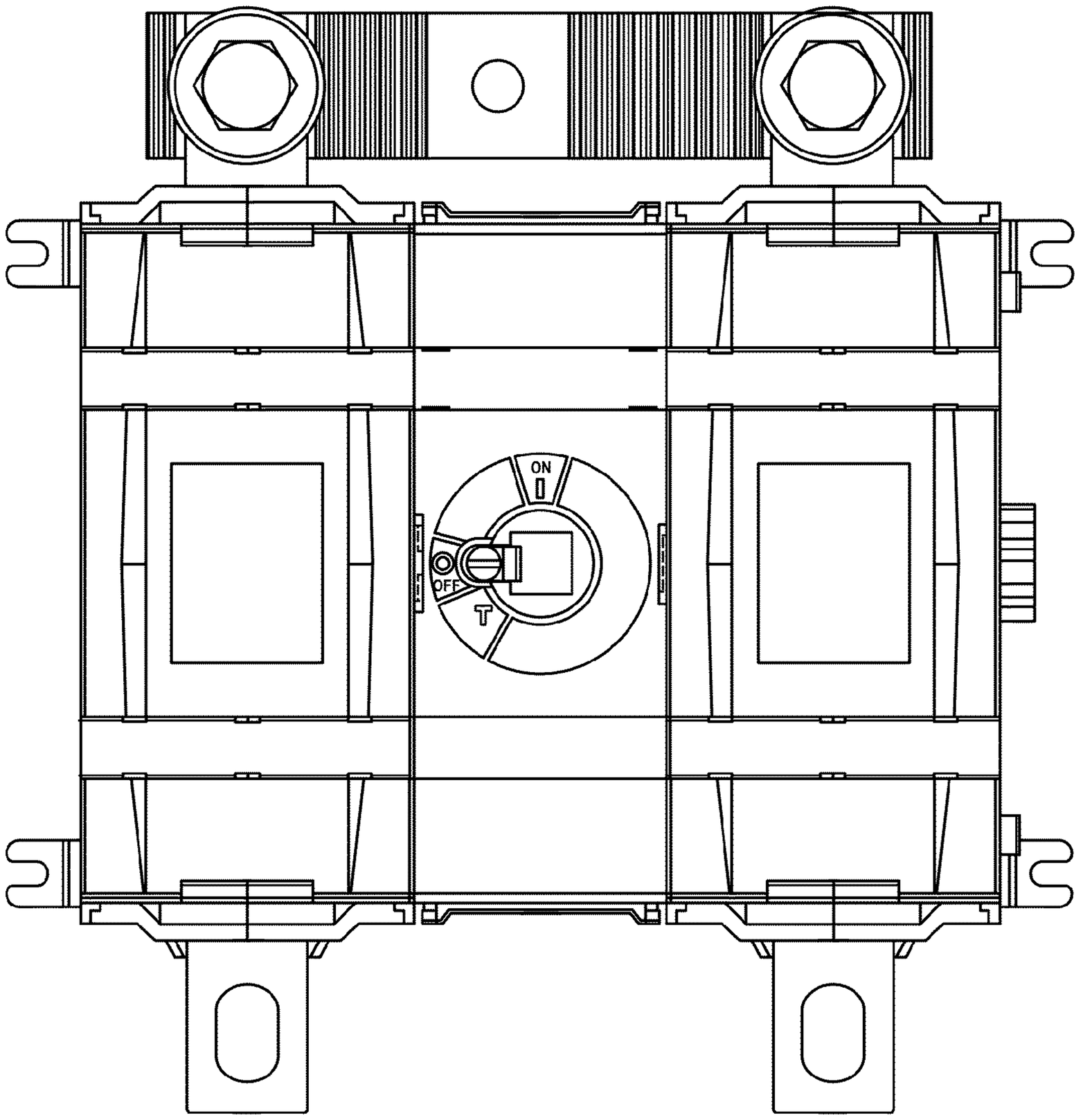


FIG. 2

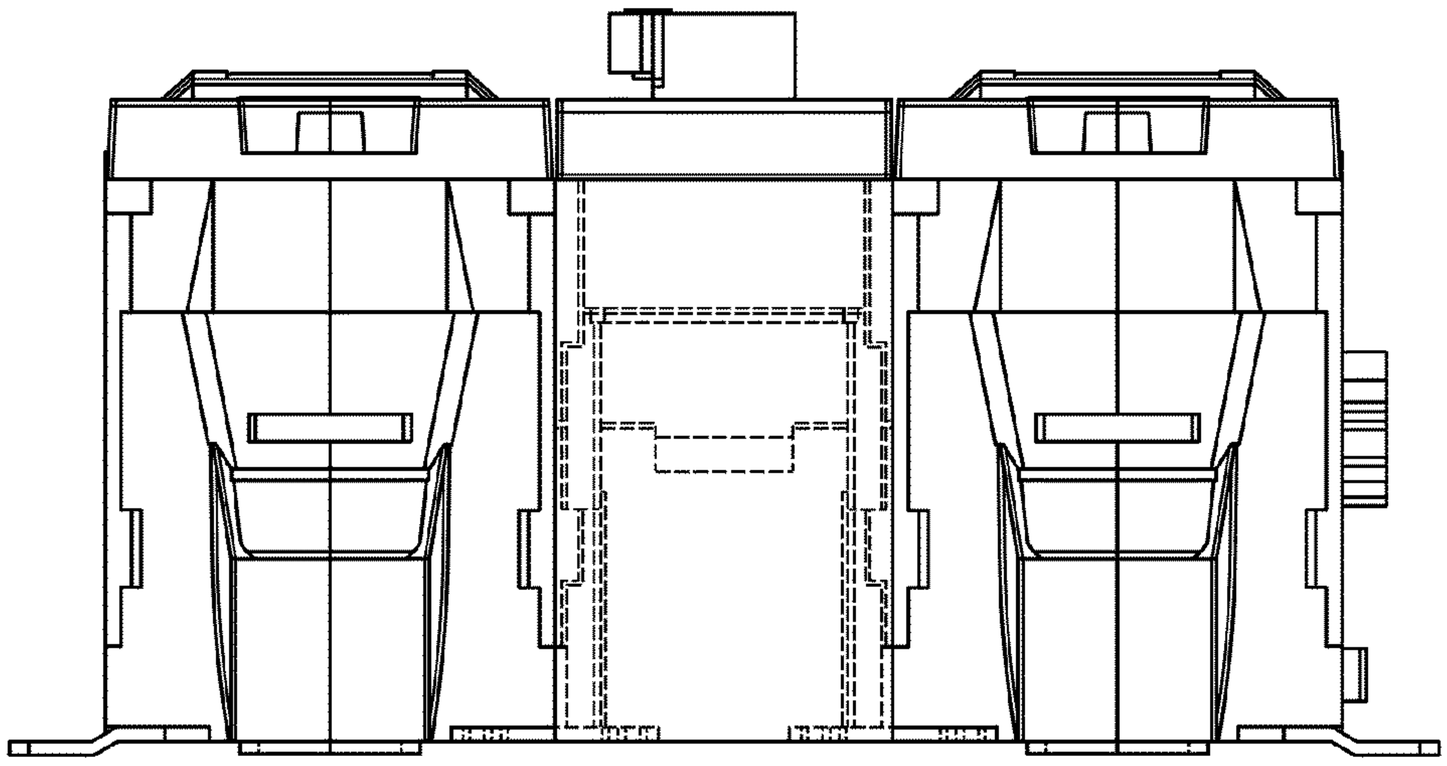


FIG. 3

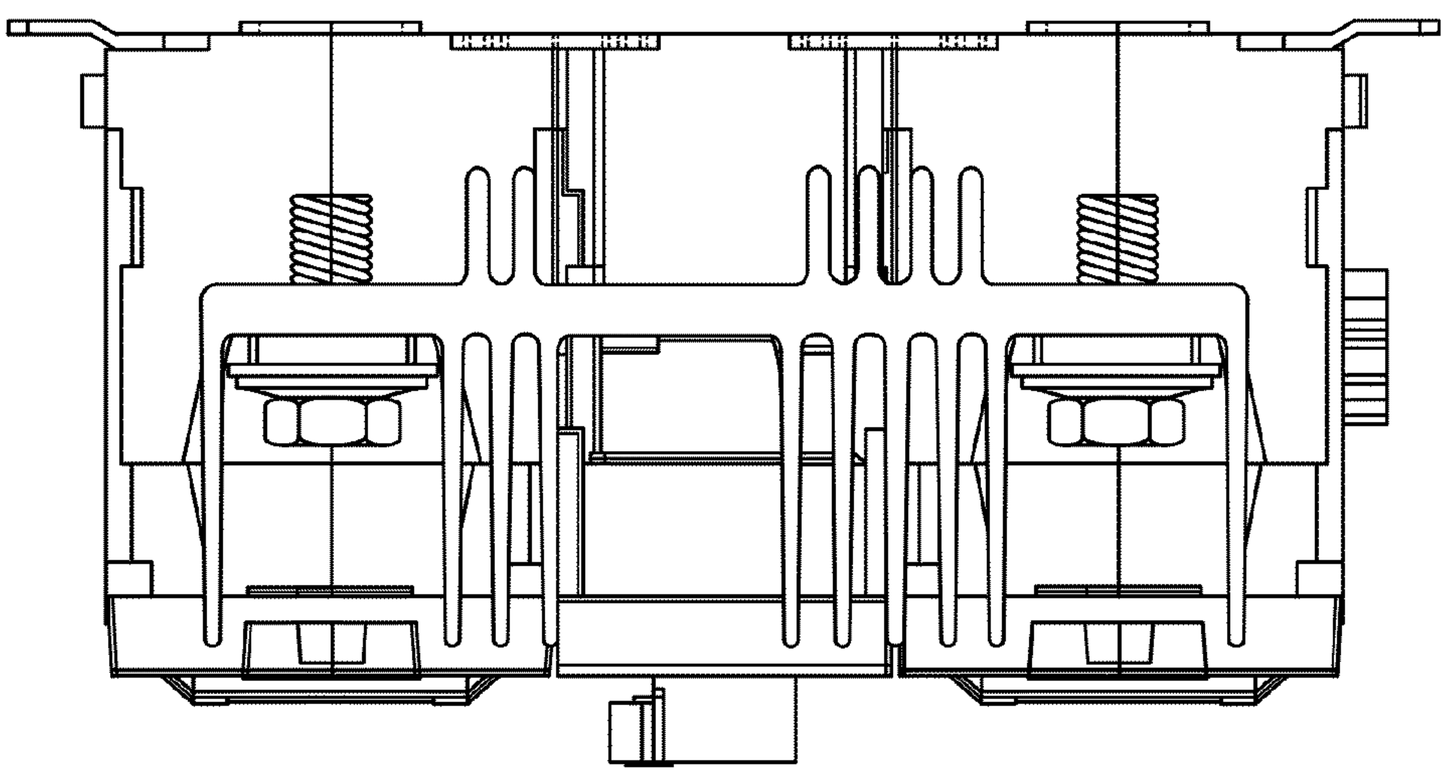


FIG. 4

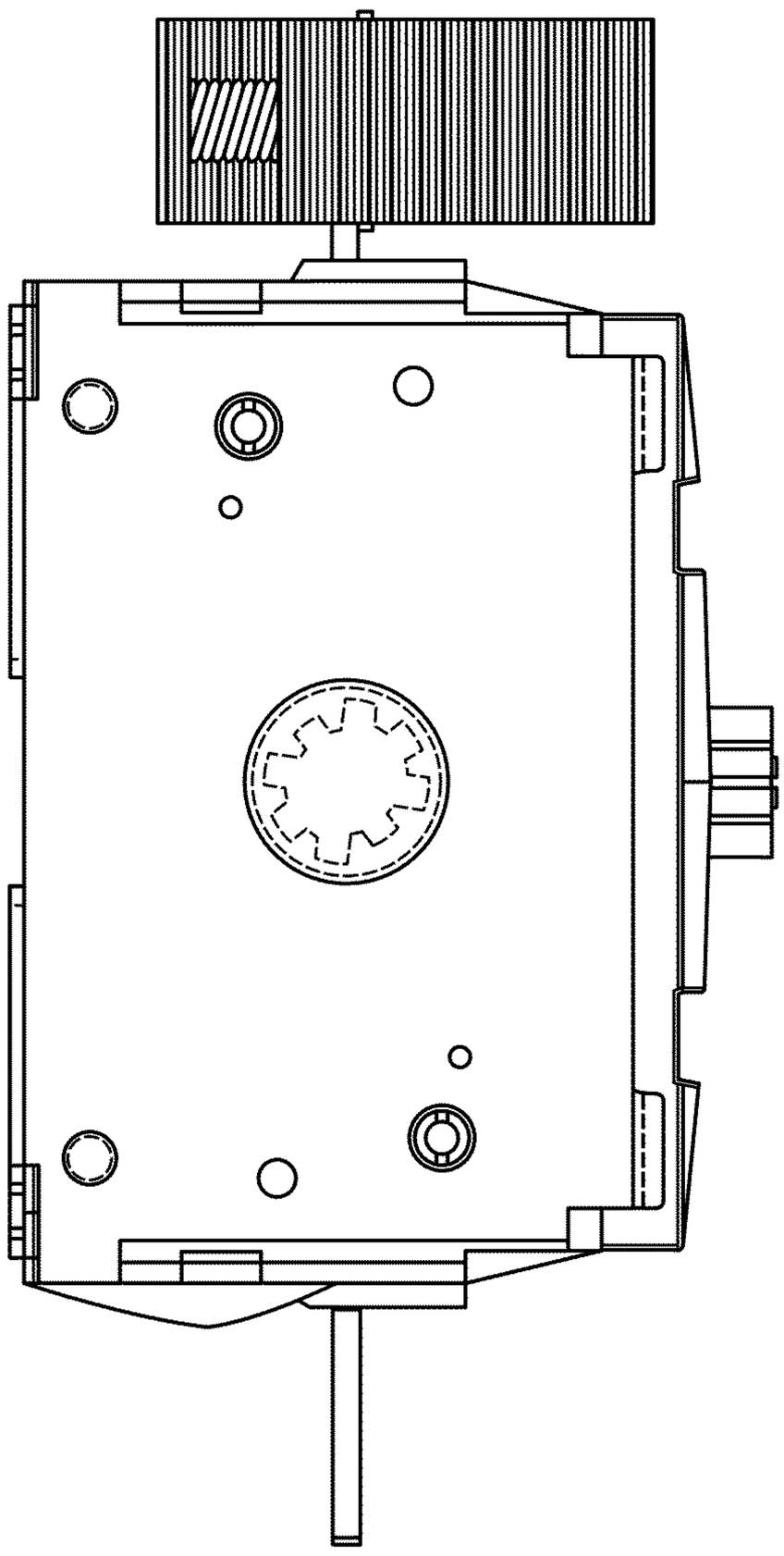


FIG. 5

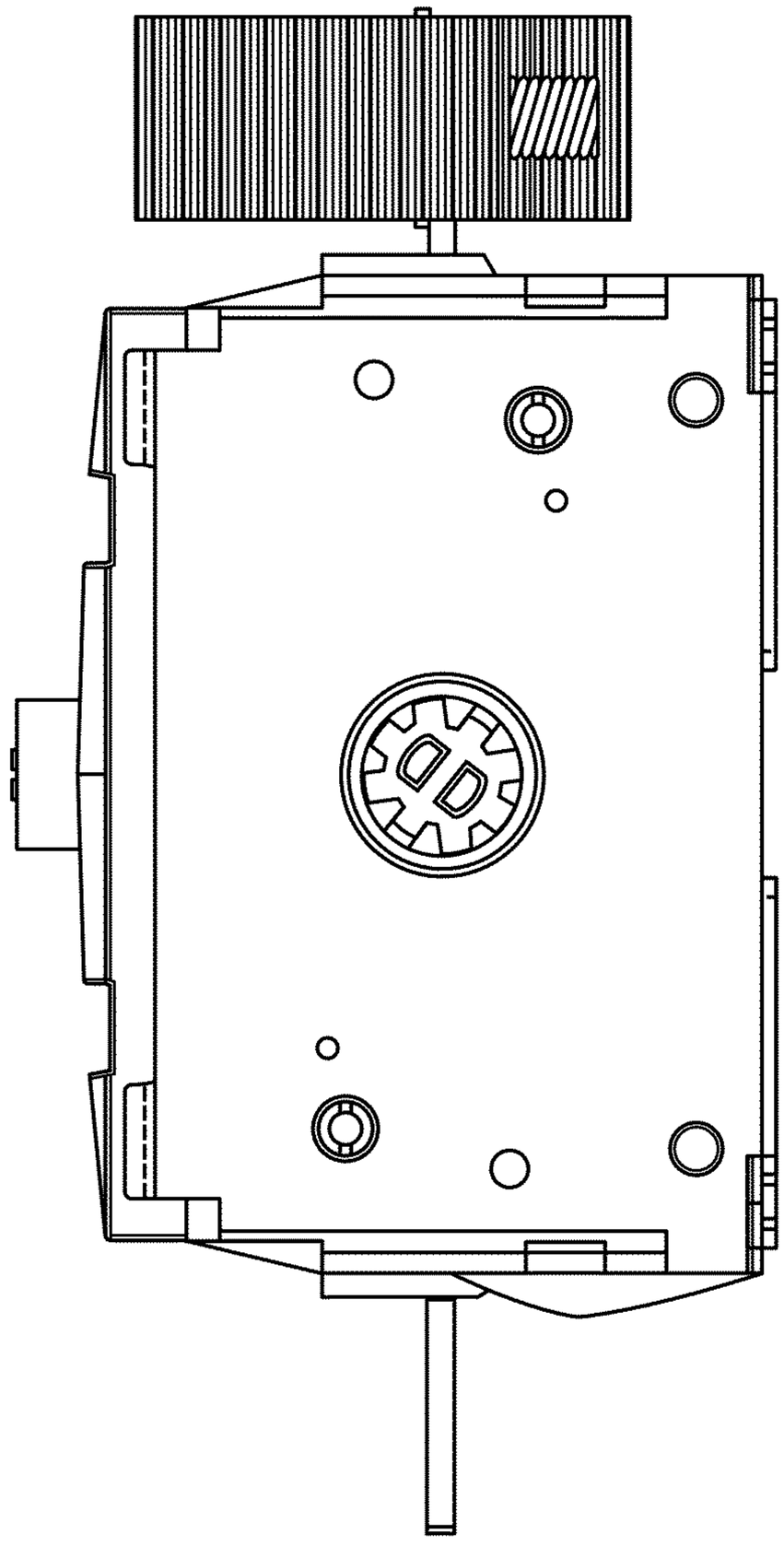


FIG. 6