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

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(45) **Date of Patent:** **** May 31, 2022**

(54) **VACUUM CLEANER**

- (71) Applicant: **Festool GmbH**, Wendlingen (DE)
- (72) Inventor: **Timo Kuhls**, Stuttgart (DE)
- (73) Assignee: **FESTOOL GmbH**, Wendlingen (DE)
- (**) Term: **15 Years**

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- (22) Filed: **Feb. 28, 2019**

(30) **Foreign Application Priority Data**

- Aug. 31, 2018 (DE) 402018100867.2
- (51) **LOC (13) Cl.** **15-05**
- (52) **U.S. Cl.**
USPC **D32/21**
- (58) **Field of Classification Search**
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D13/109; D15/144
CPC A47L 5/24; A47L 5/28; A47L 5/30; A47L
5/34; A47L 7/0004; A47L 9/04; A47L
9/325; A47L 9/1683; A47L 11/30; A47L
11/302; A47L 11/34; A47L 11/4005;
A47L 11/4008; A47L 11/4016; A47L
11/4041; A47L 11/4044; B04C 5/185;
B08B 3/04; B23Q 11/0046; B23Q
11/0071; E04H 4/1636
See application file for complete search history.

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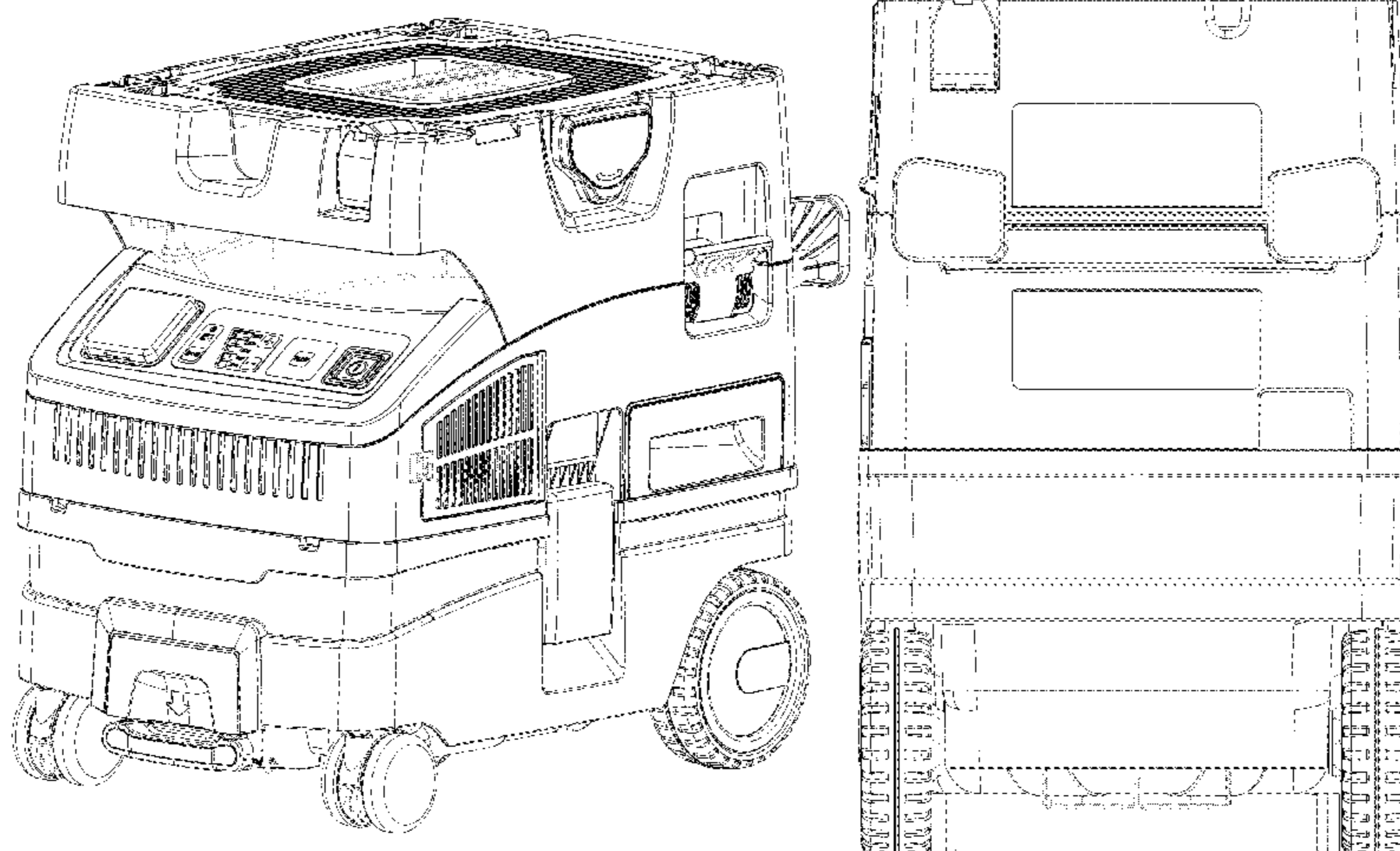
(57) **CLAIM**

The ornamental design for a vacuum cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a top front perspective view of a vacuum cleaner showing my new design;
 FIG. 2 is a right side plan view thereof;
 FIG. 3 is a left side plan view thereof;
 FIG. 4 is a front plan view thereof;
 FIG. 5 is a back plan view thereof;
 FIG. 6 is a top plan view thereof;
 FIG. 7 is a bottom plan view thereof;
 FIG. 8 is a top perspective view of a second embodiment of the vacuum cleaner showing my new design;
 FIG. 9 is a right side plan view thereof;
 FIG. 10 is a left side plan view thereof;
 FIG. 11 is a front plan view thereof;
 FIG. 12 is a back plan view thereof;
 FIG. 13 is a top plan view thereof; and,
 FIG. 14 is a bottom plan view thereof.
 The broken lines show portions of the vacuum cleaner that form no part of the claimed design.

1 Claim, 14 Drawing Sheets



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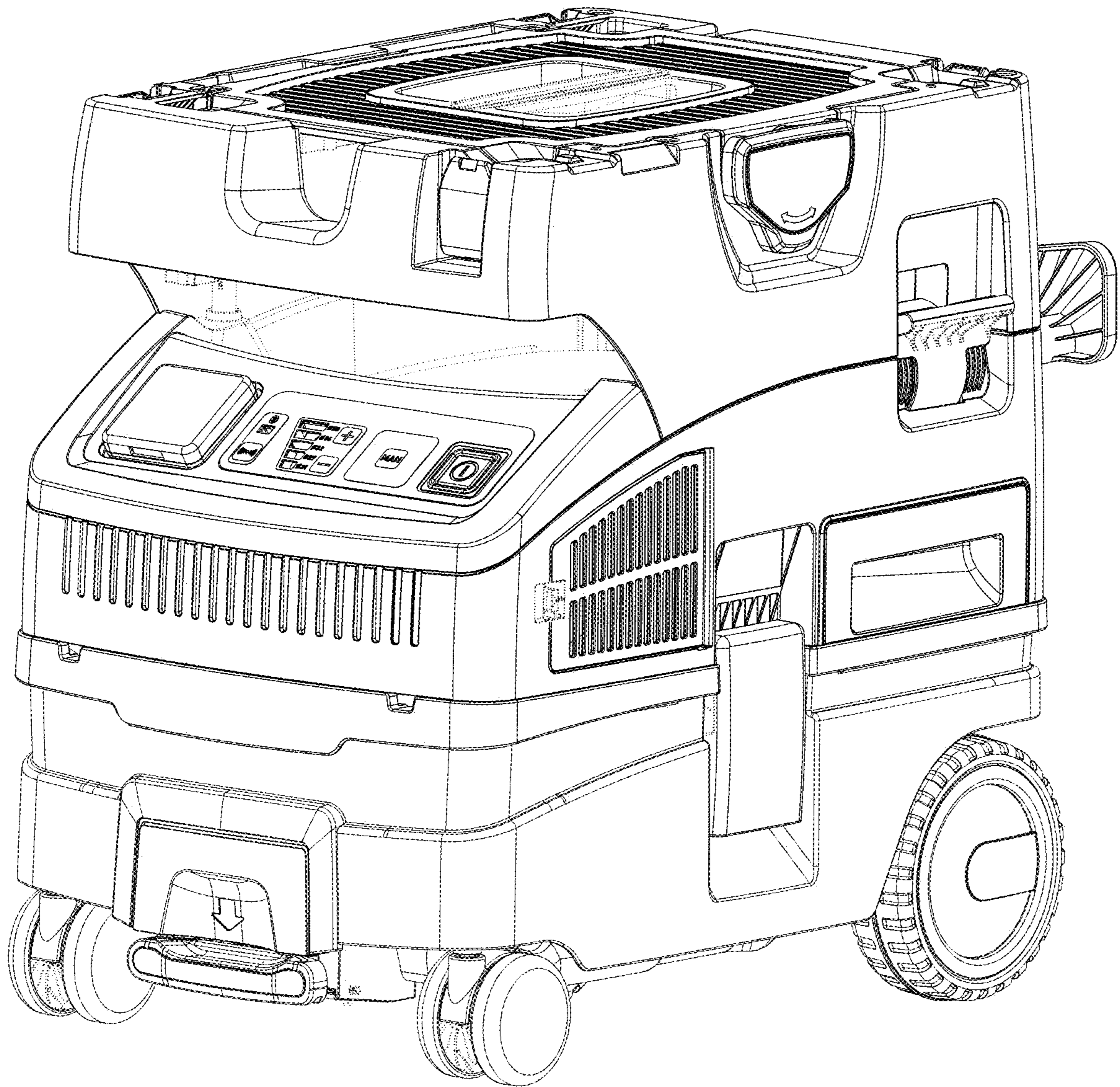


FIG. 1

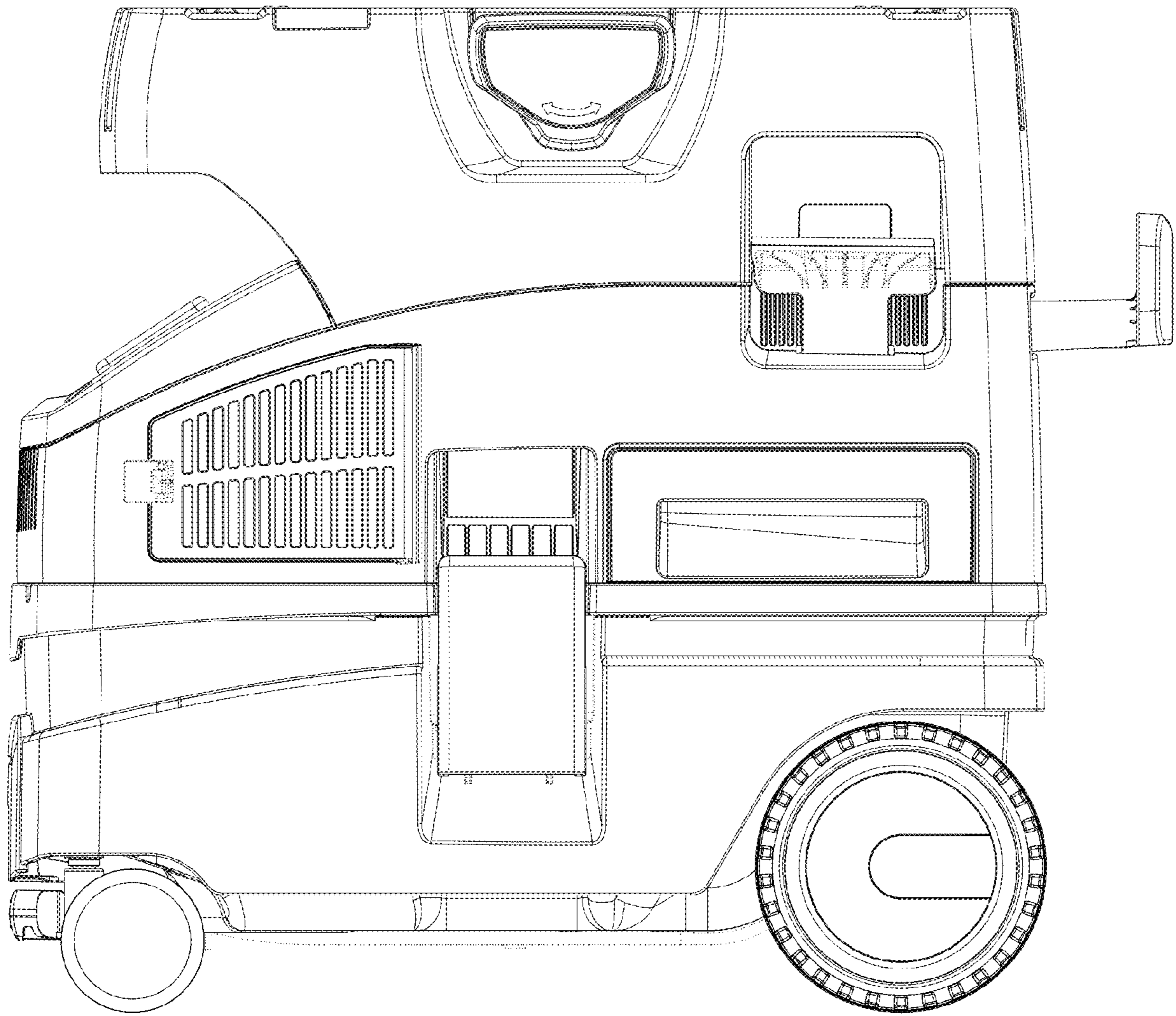


FIG. 2

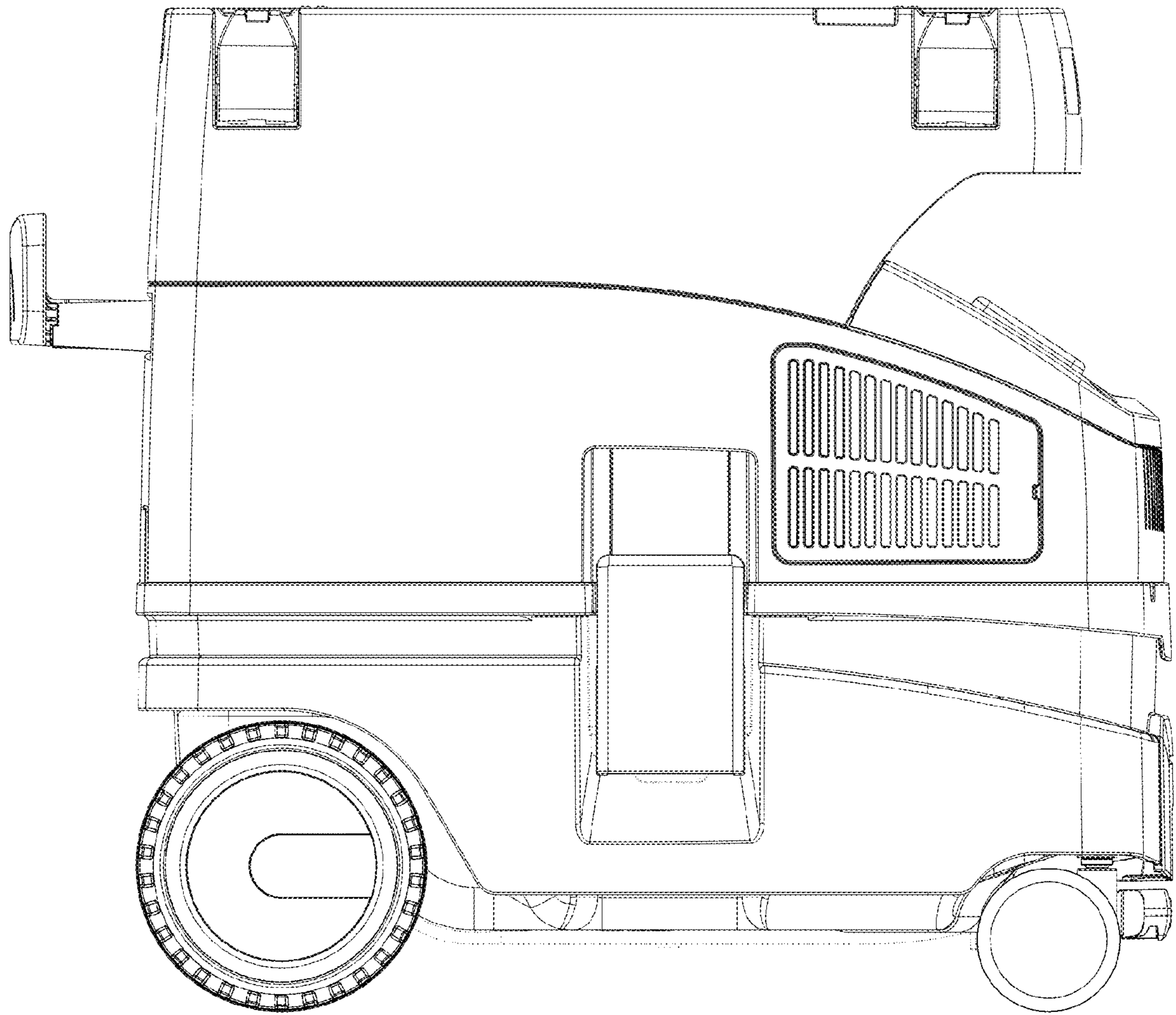


FIG. 3

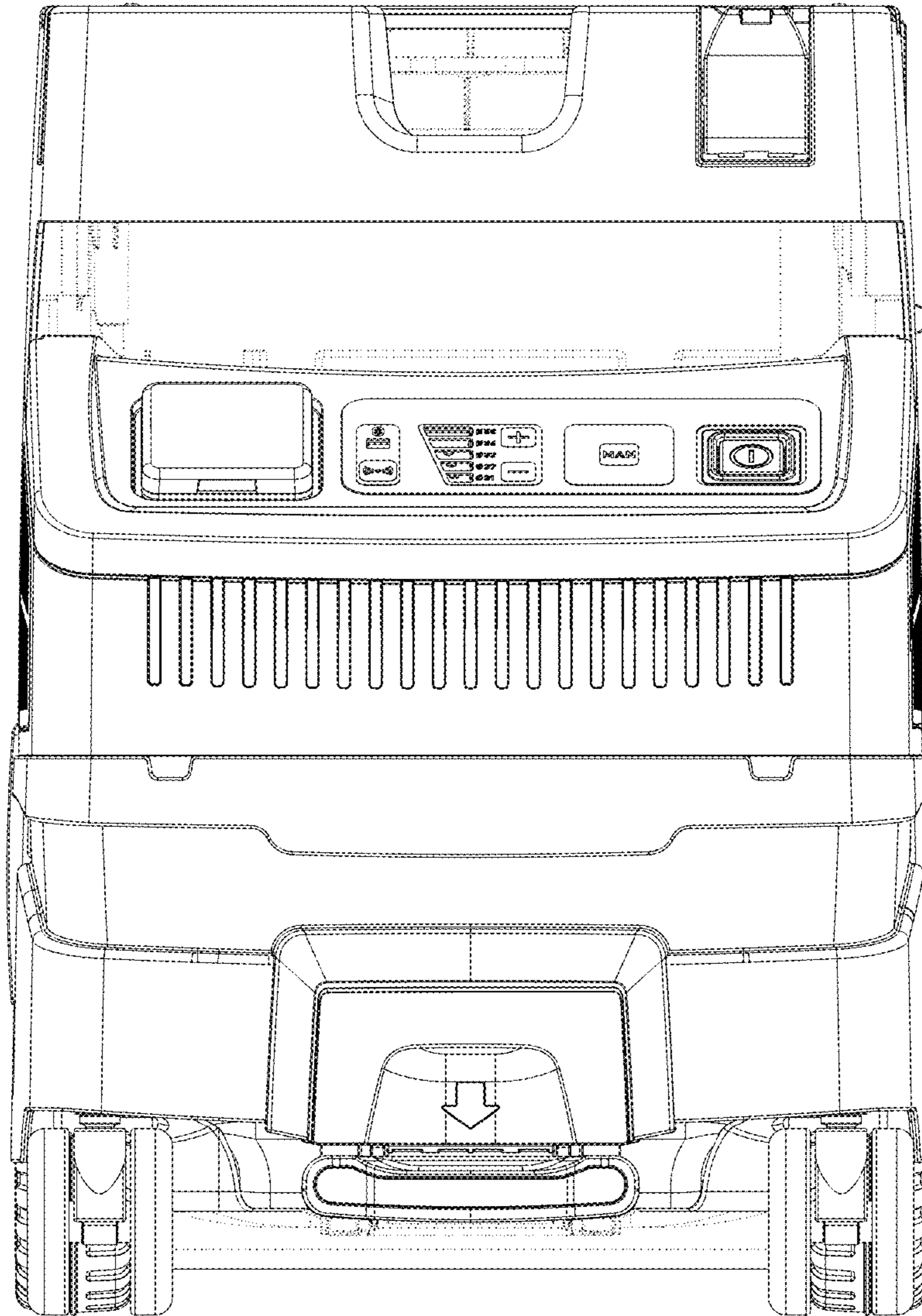


FIG. 4

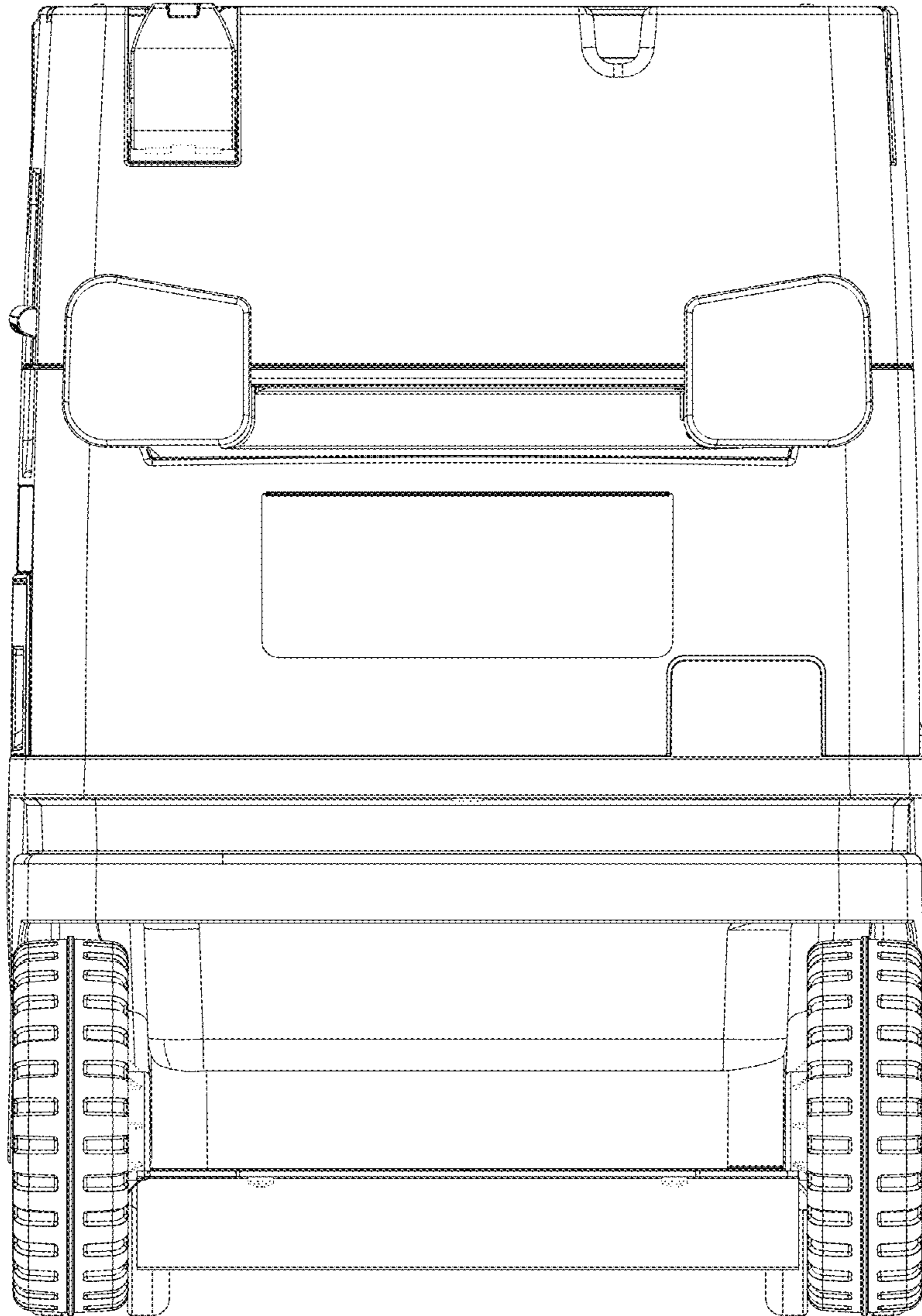


FIG. 5

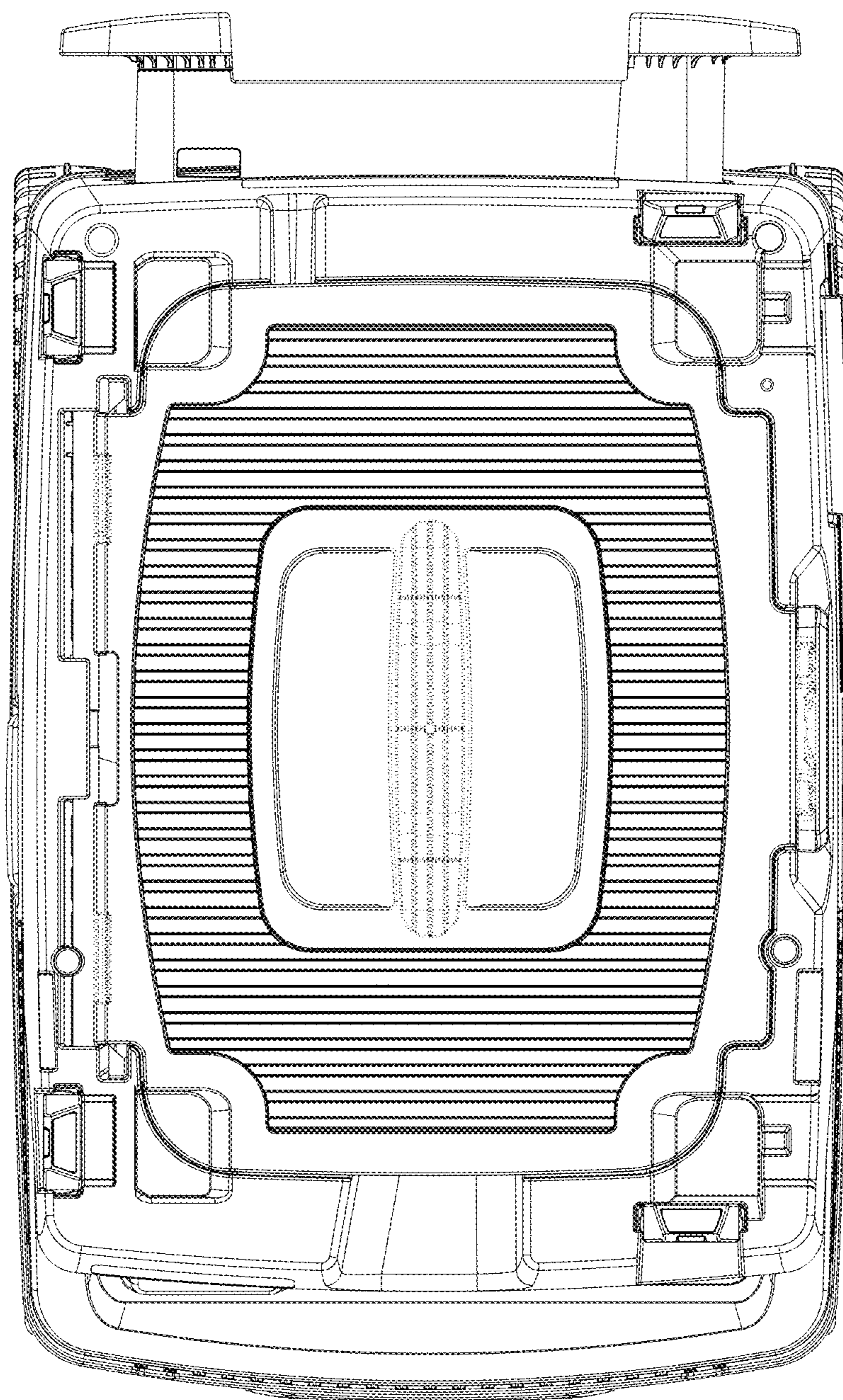


FIG. 6

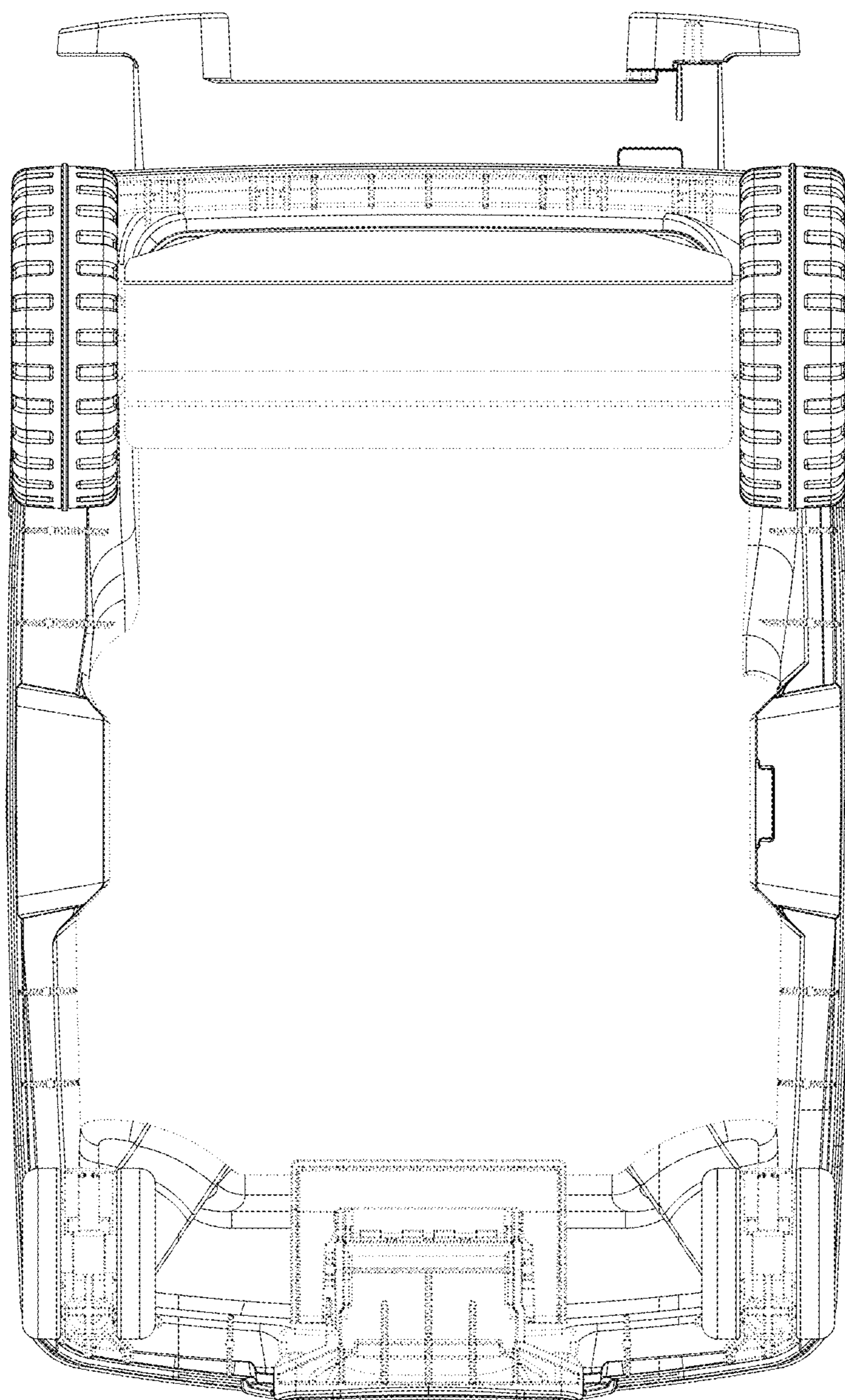


FIG. 7

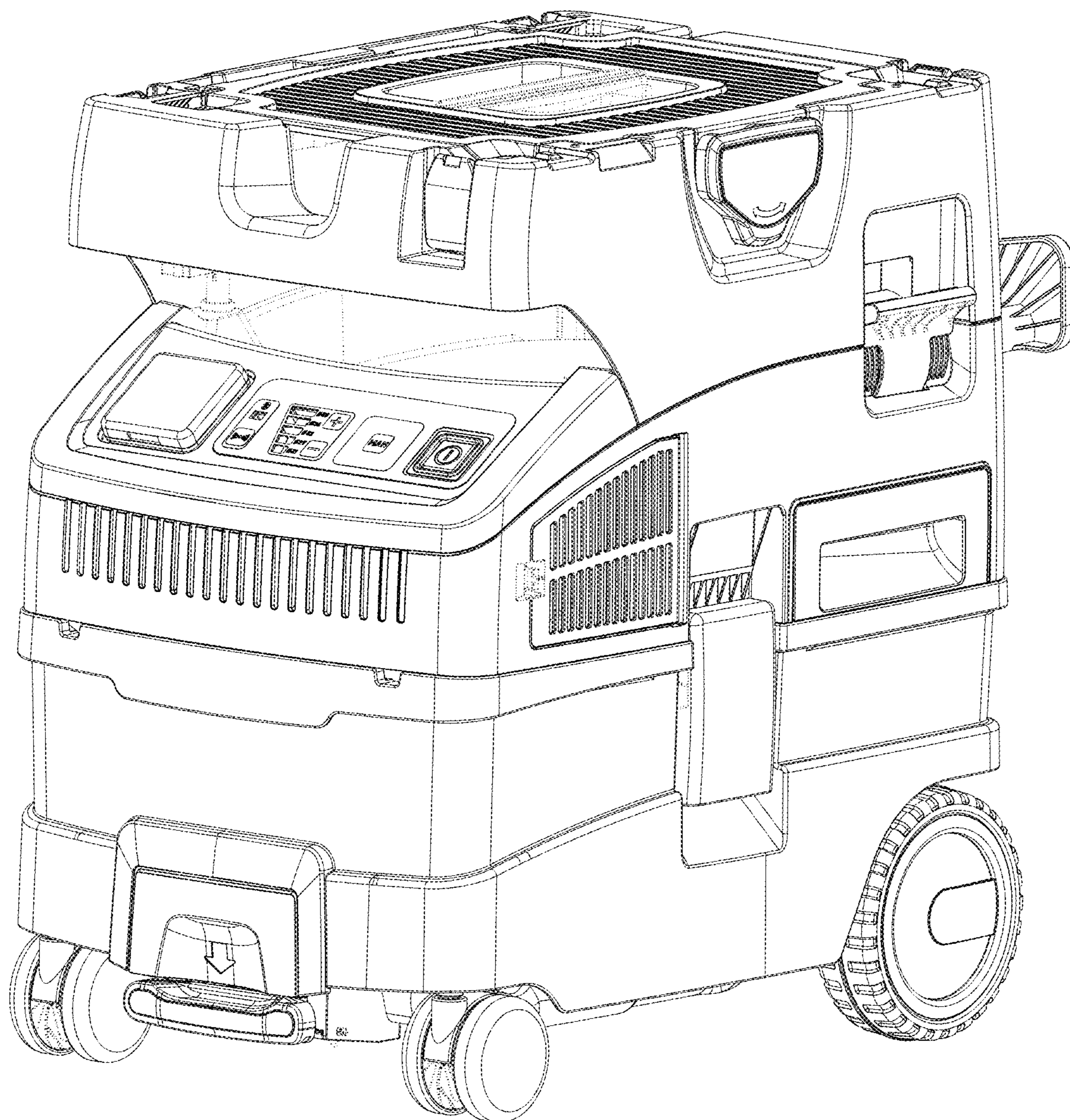


FIG. 8

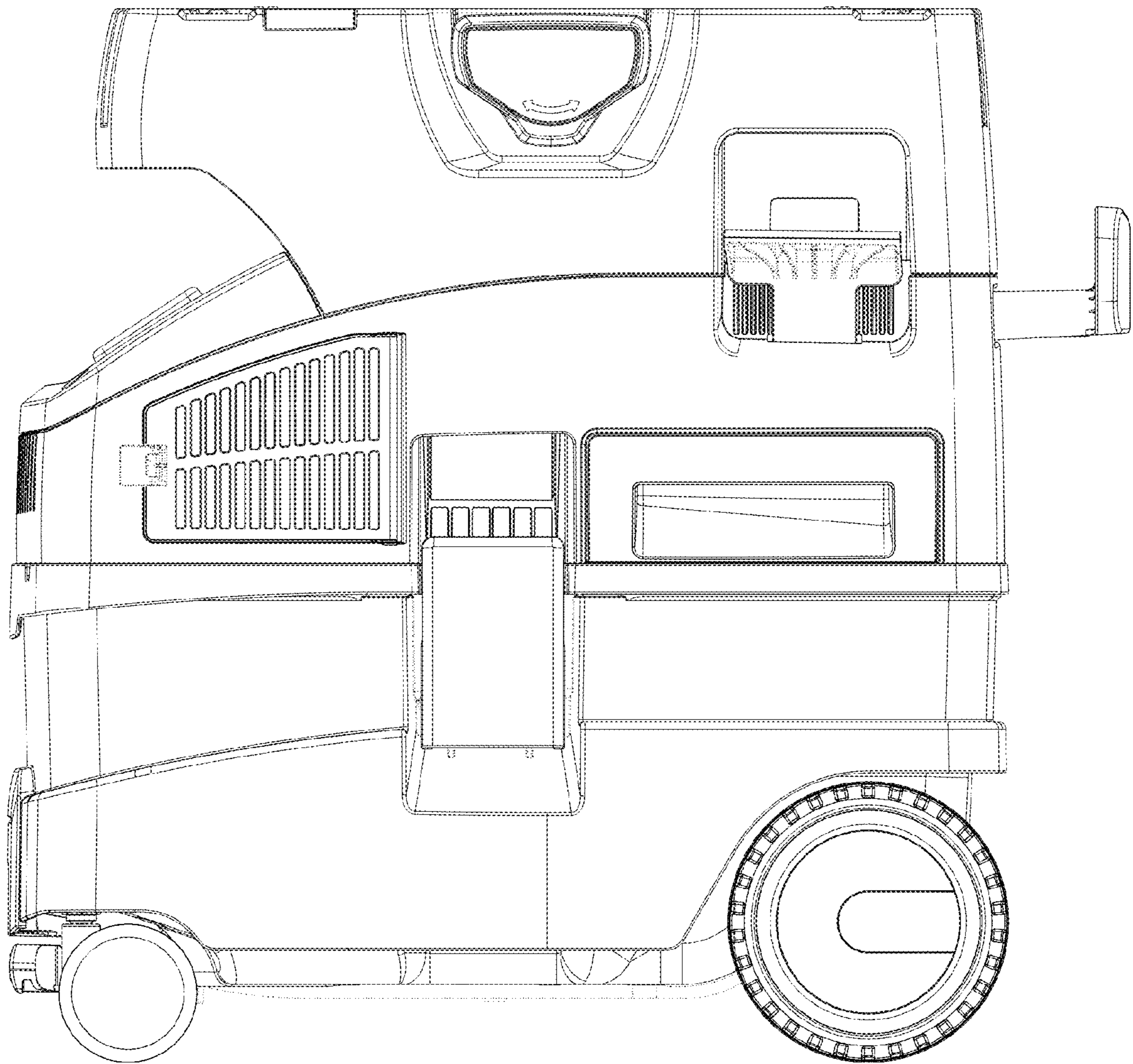


FIG. 9

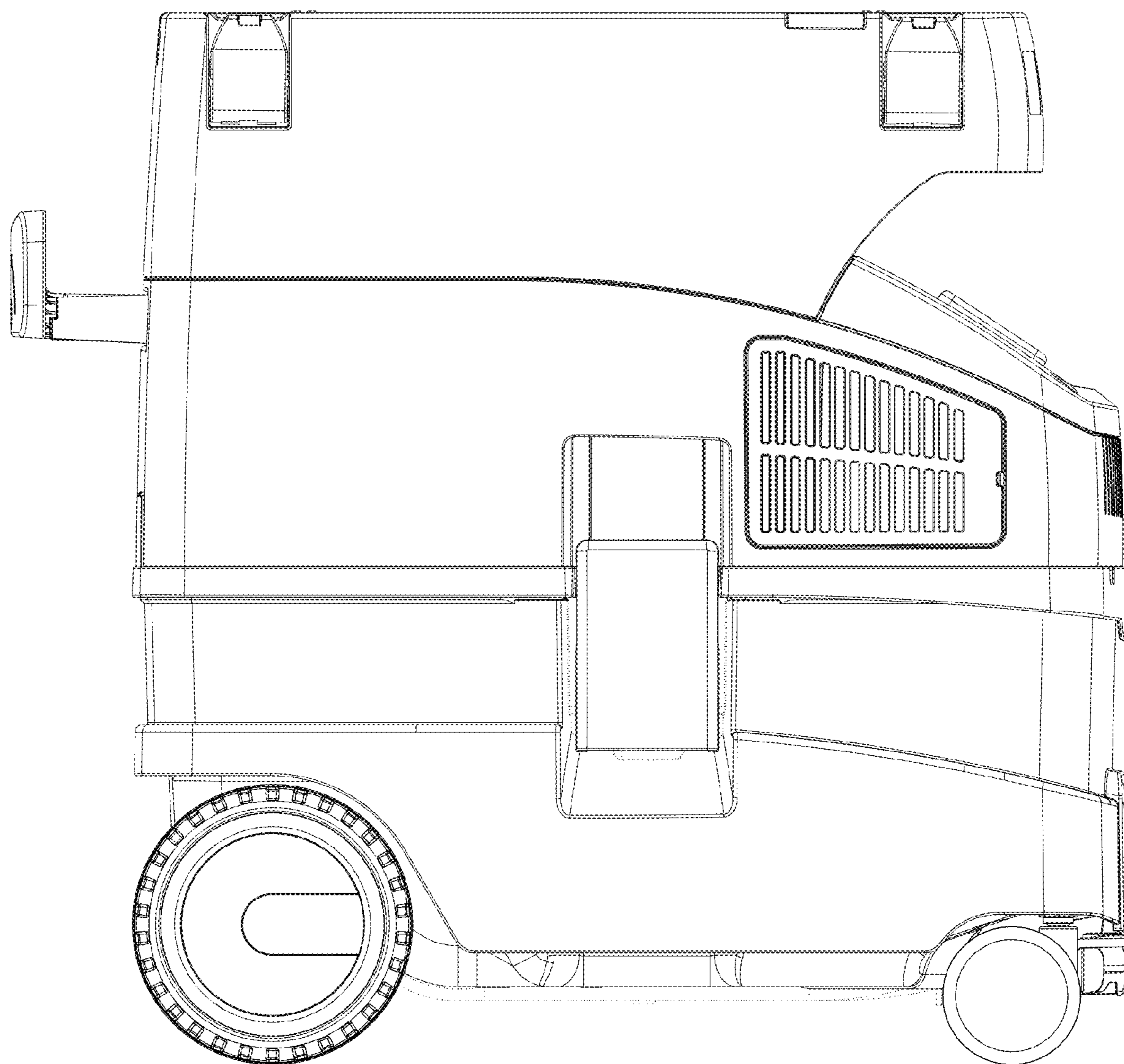


FIG. 10

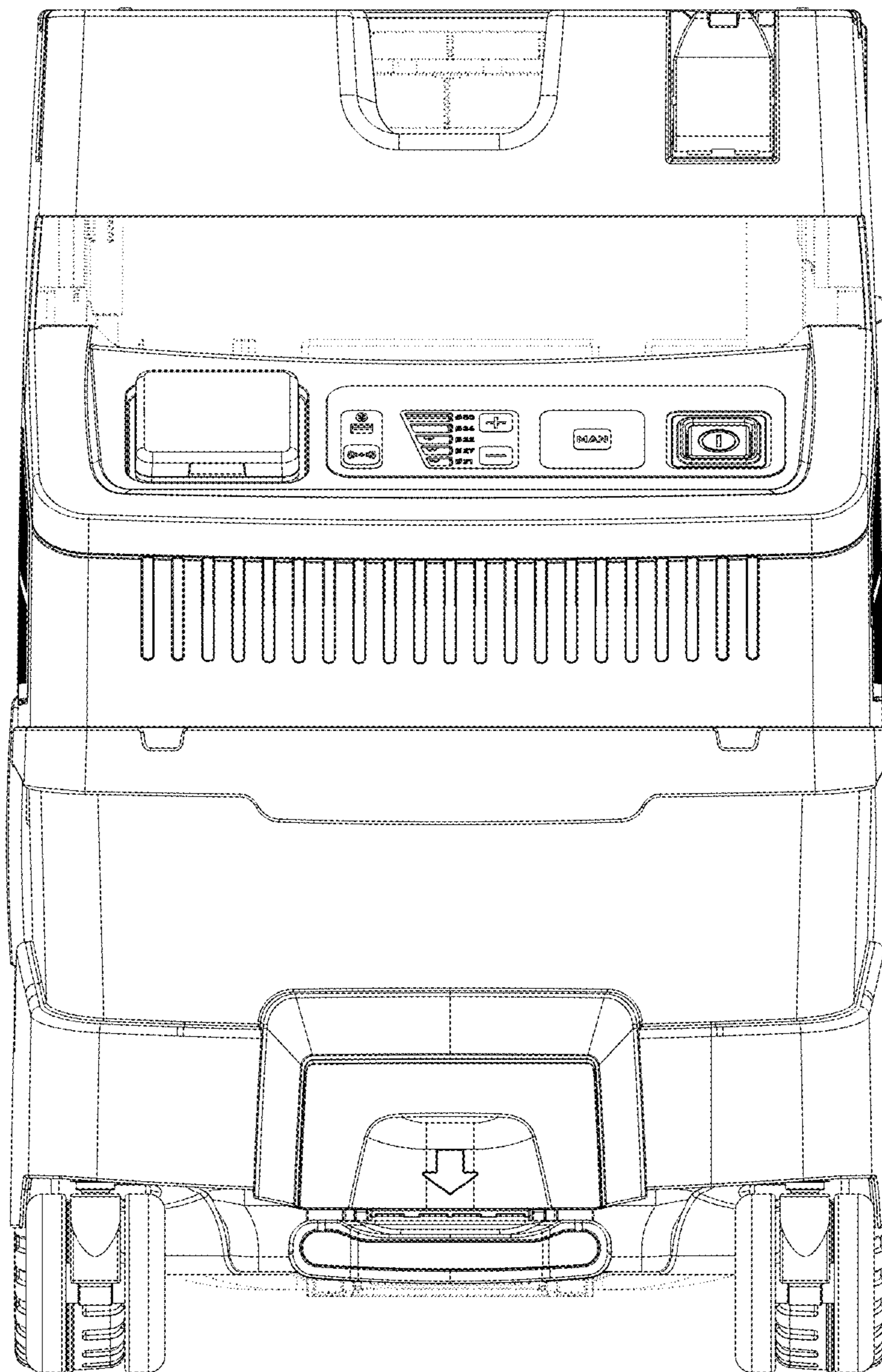


FIG. 11

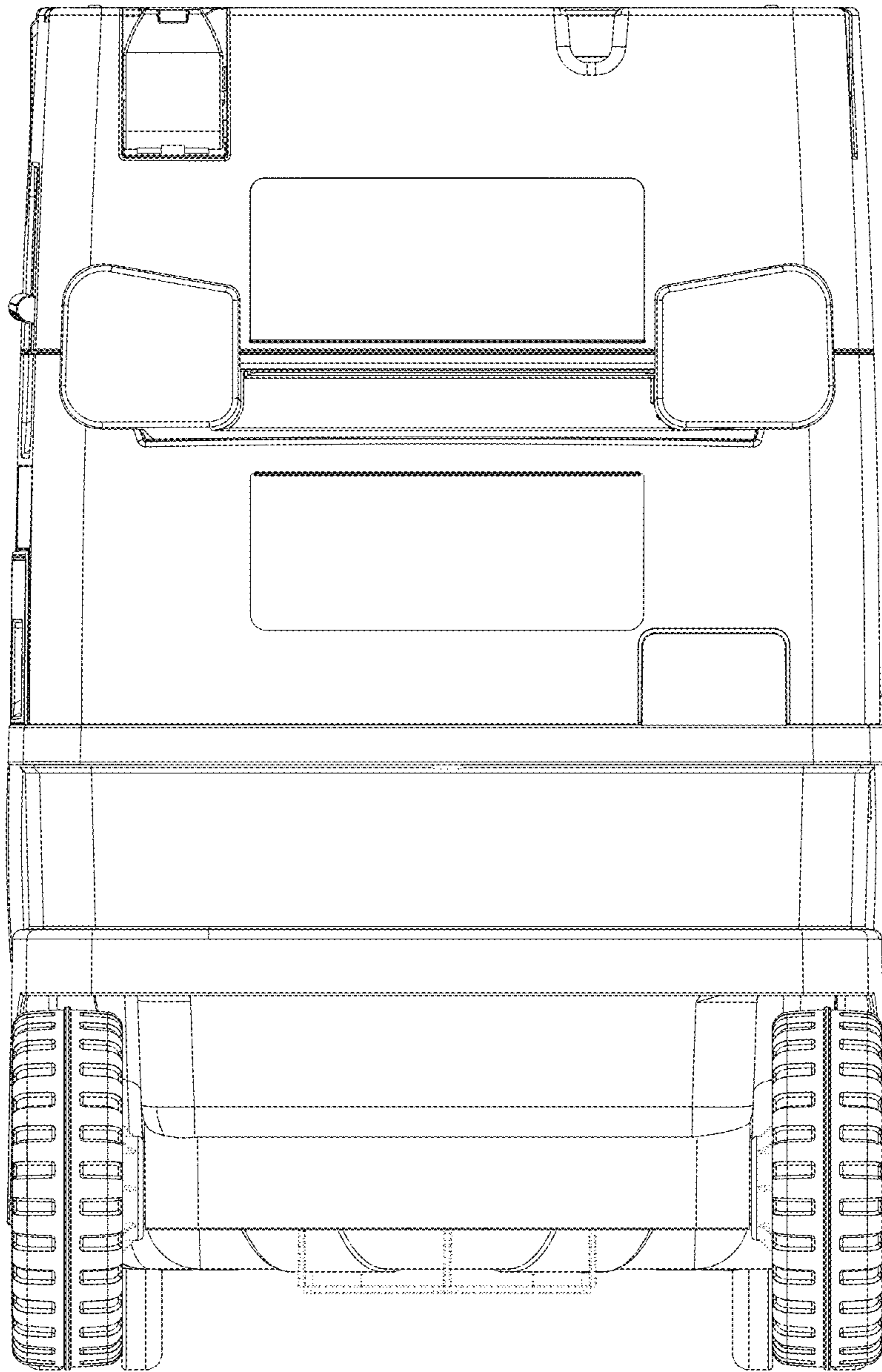


FIG. 12

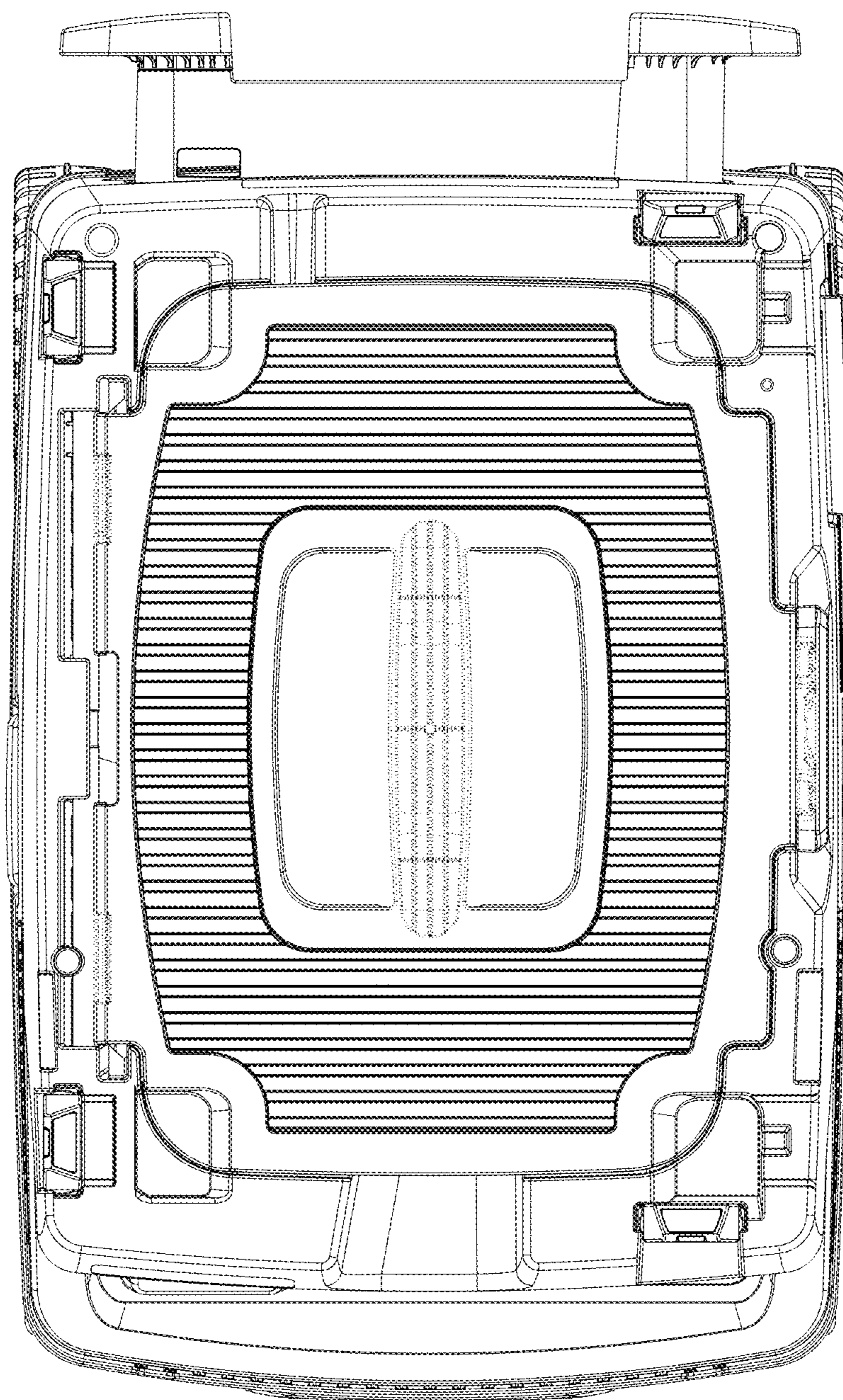


FIG. 13

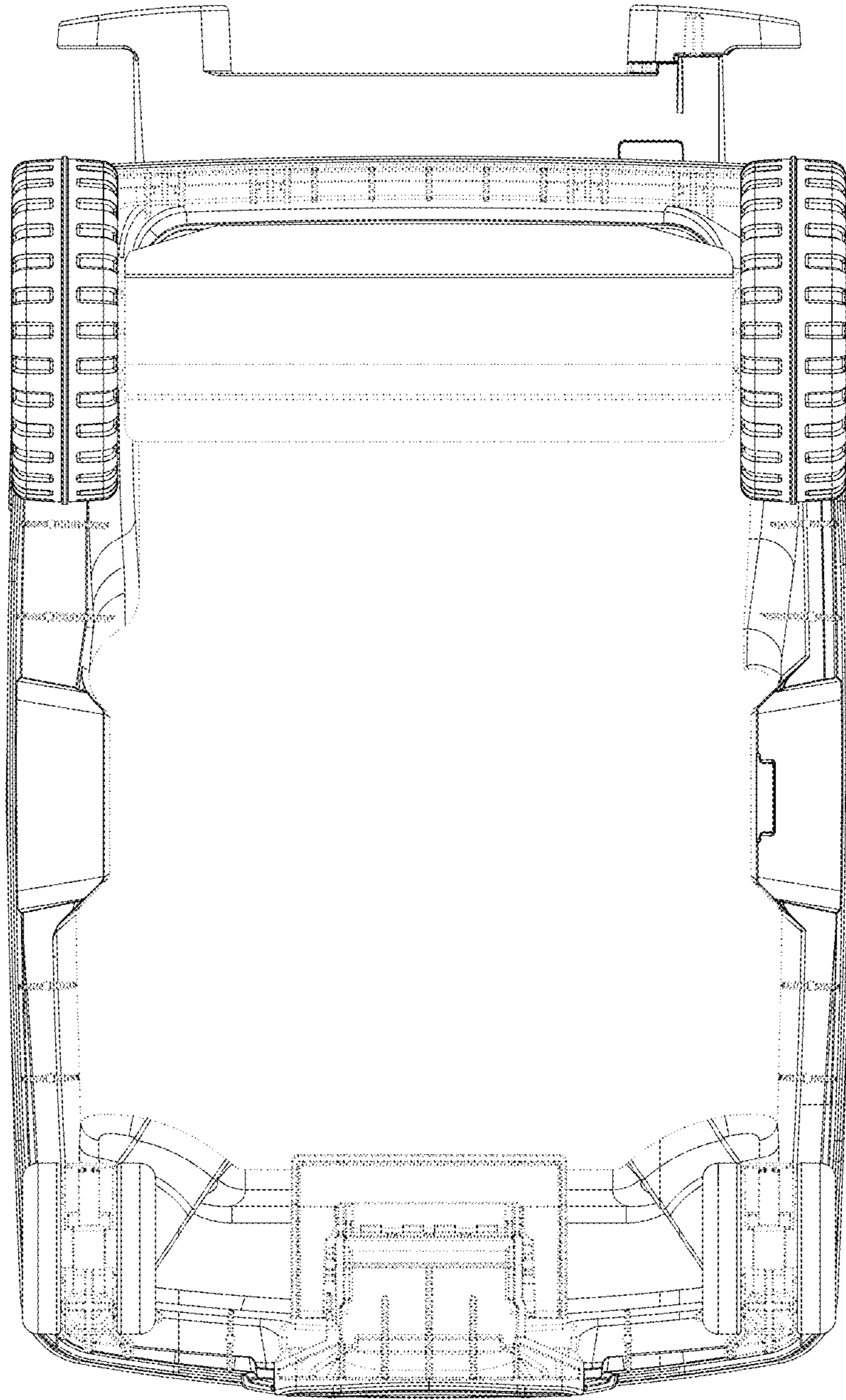


FIG. 14