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

(10) **Patent No.: US D953,669 S**

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

(54) **VACUUM CLEANER**

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(72) Inventor: **Timo Kuhls**, Stuttgart (DE)

(73) Assignee: **FESTOOL GmbH**, Wendlingen (DE)

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

(21) Appl. No.: **29/681,840**

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(30) **Foreign Application Priority Data**

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(51) **LOC (13) Cl.** ..... **15-05**

(52) **U.S. Cl.**  
USPC ..... **D32/21**

(58) **Field of Classification Search**

USPC ..... D32/21, 24, 31; D3/276, 294; D13/108,  
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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(Continued)

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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;

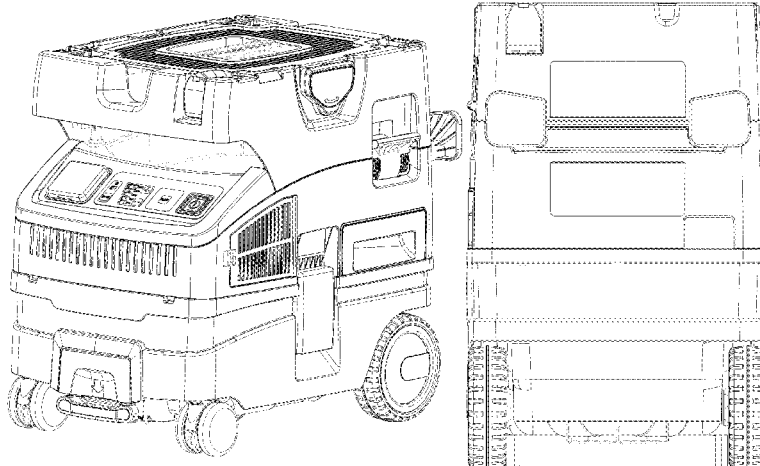
FIG. 12 is a back plan view thereof;

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**



(56)

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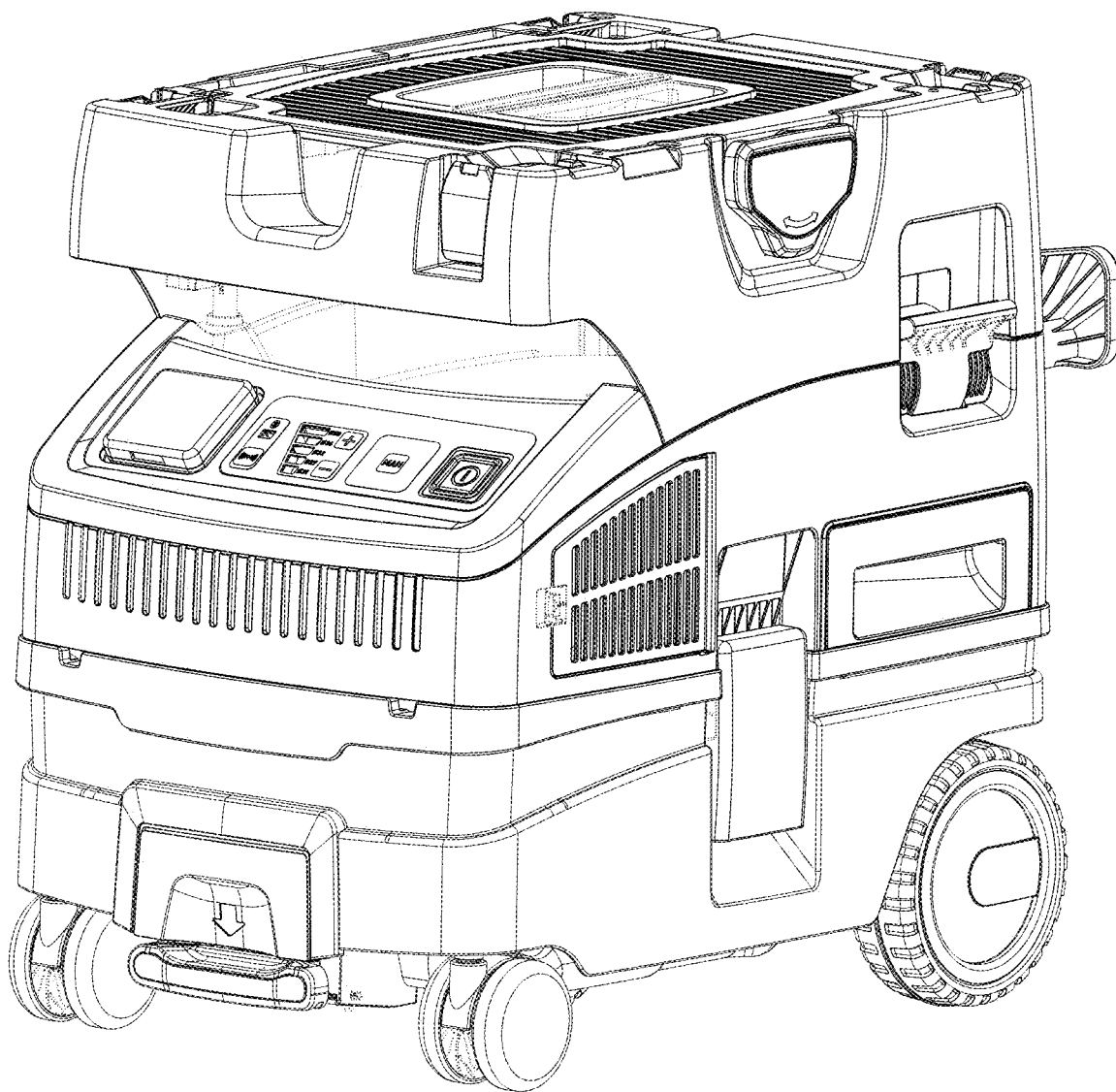


FIG. 1

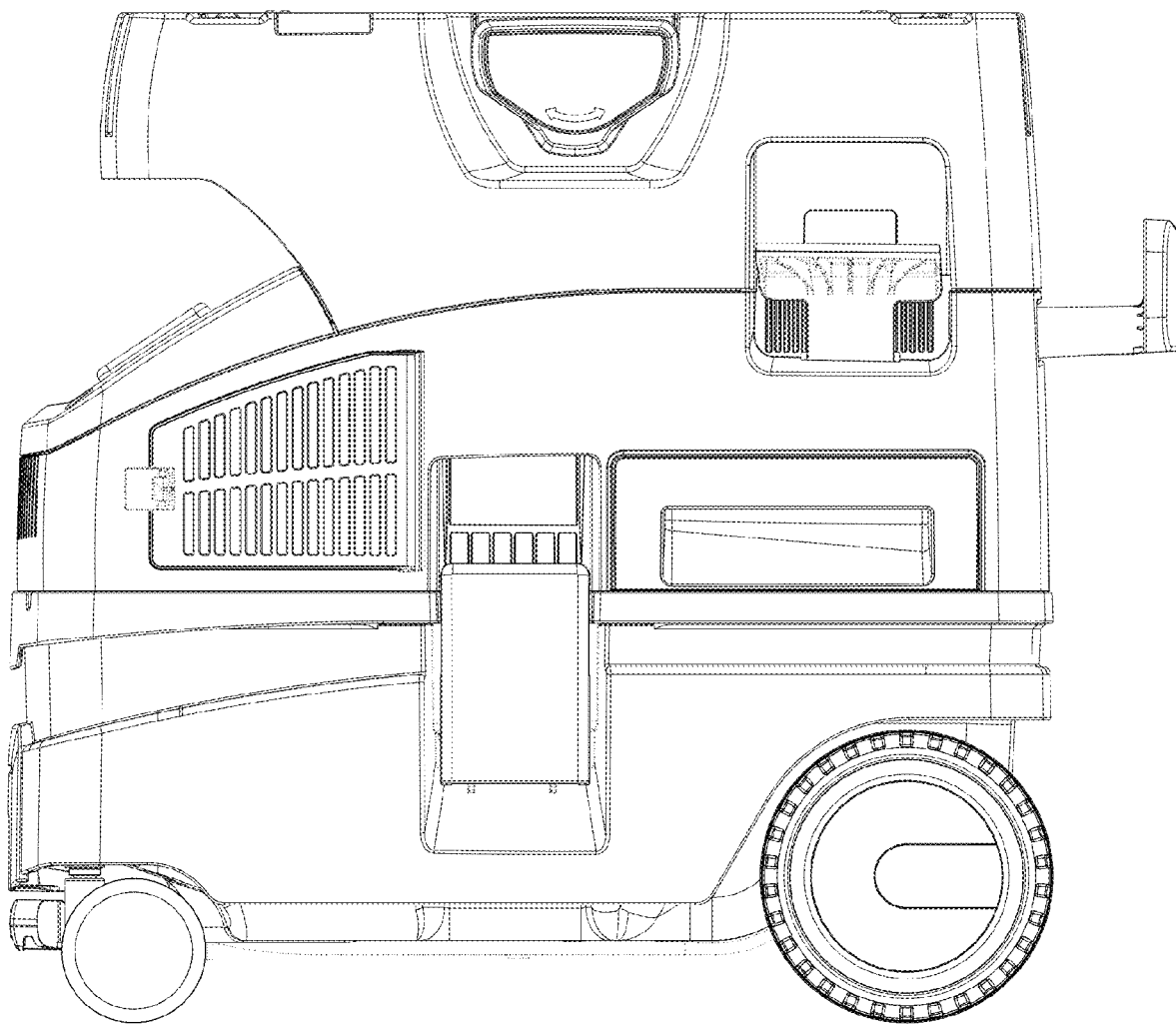


FIG. 2

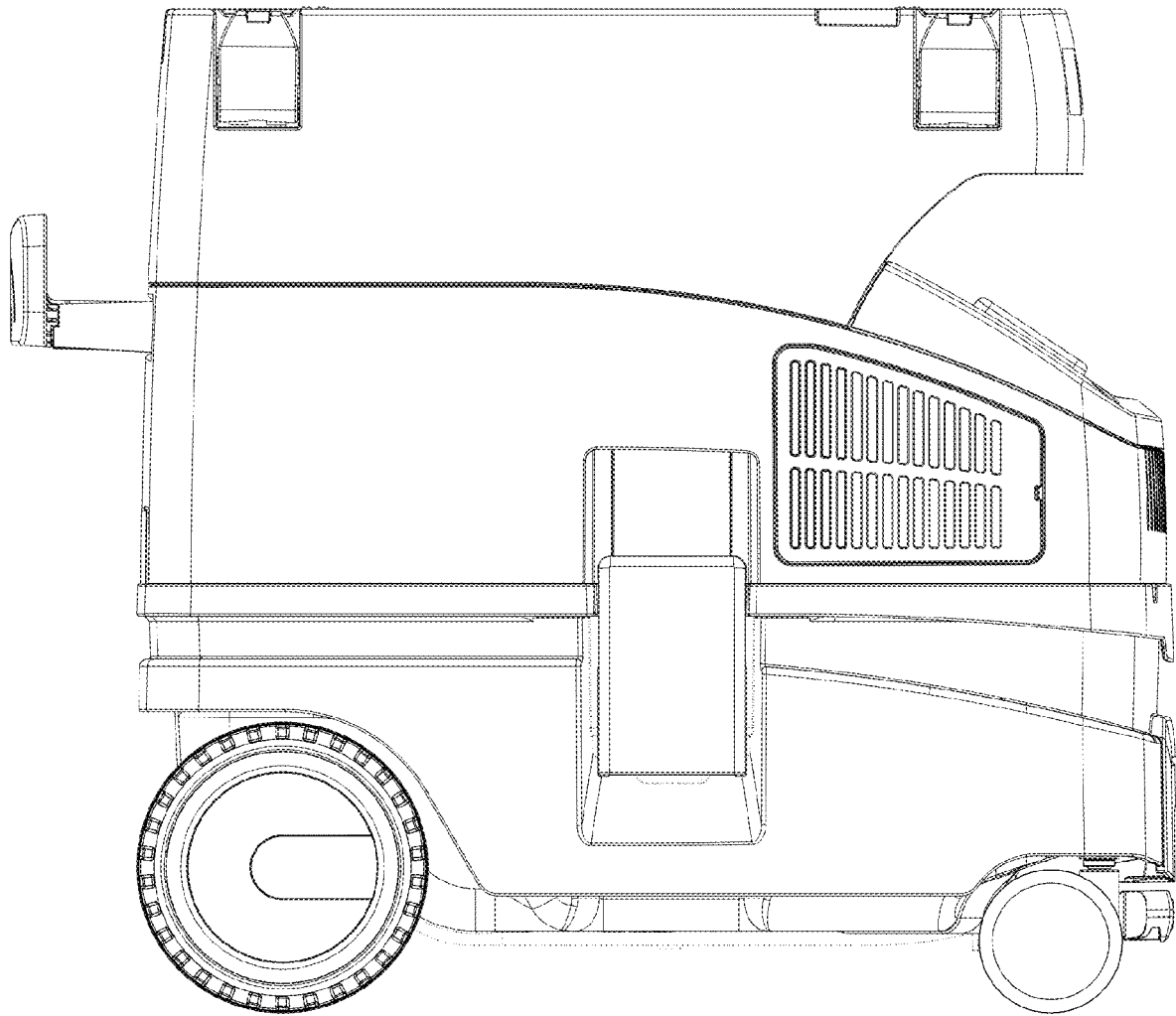


FIG. 3

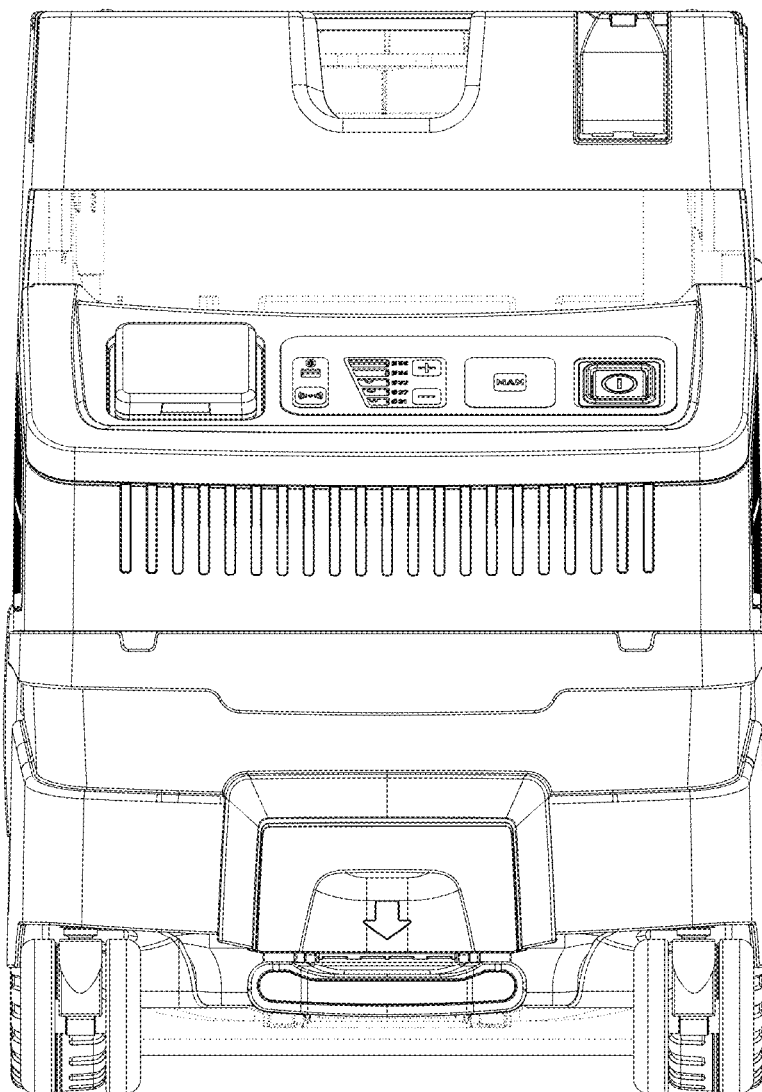


FIG. 4

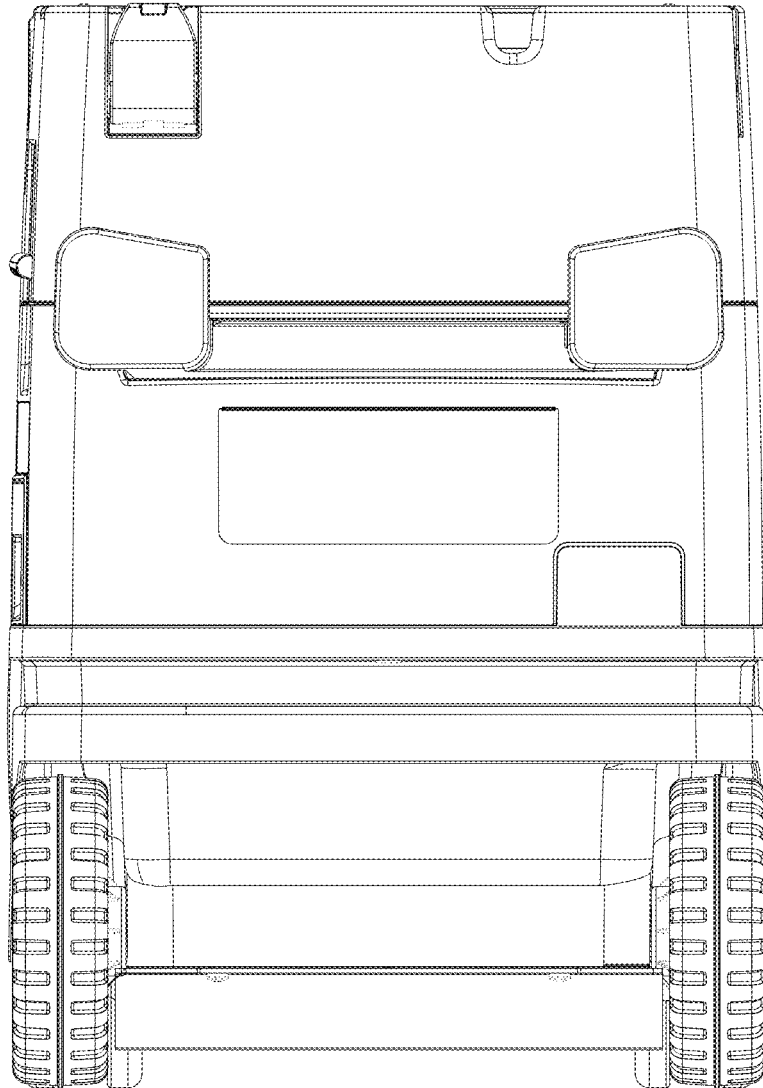


FIG. 5

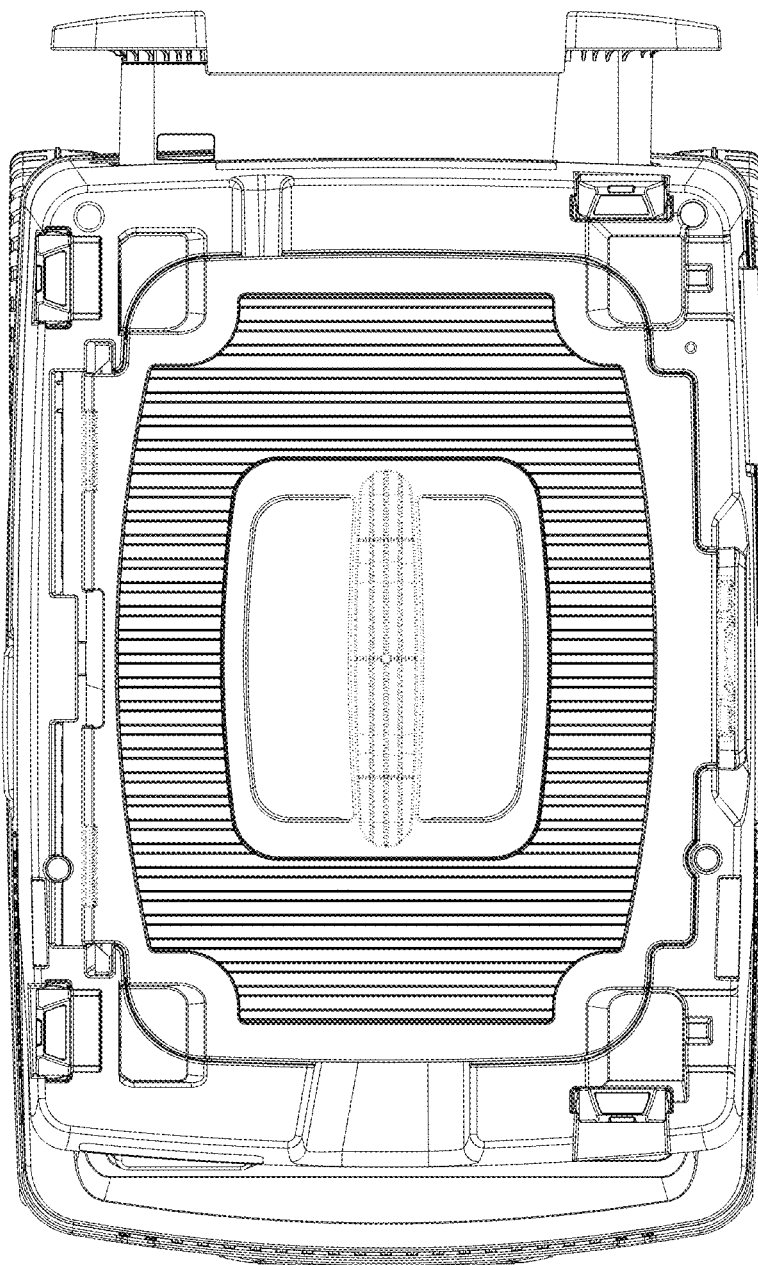


FIG. 6

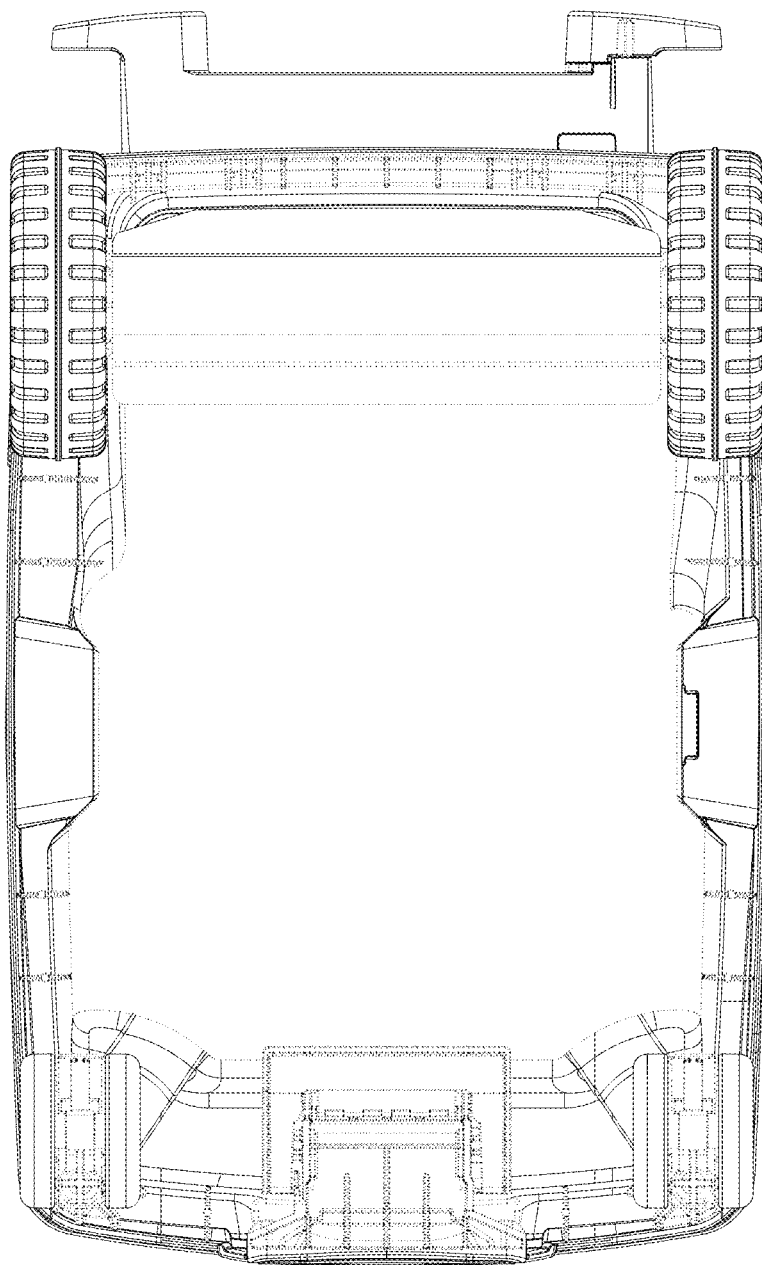


FIG. 7

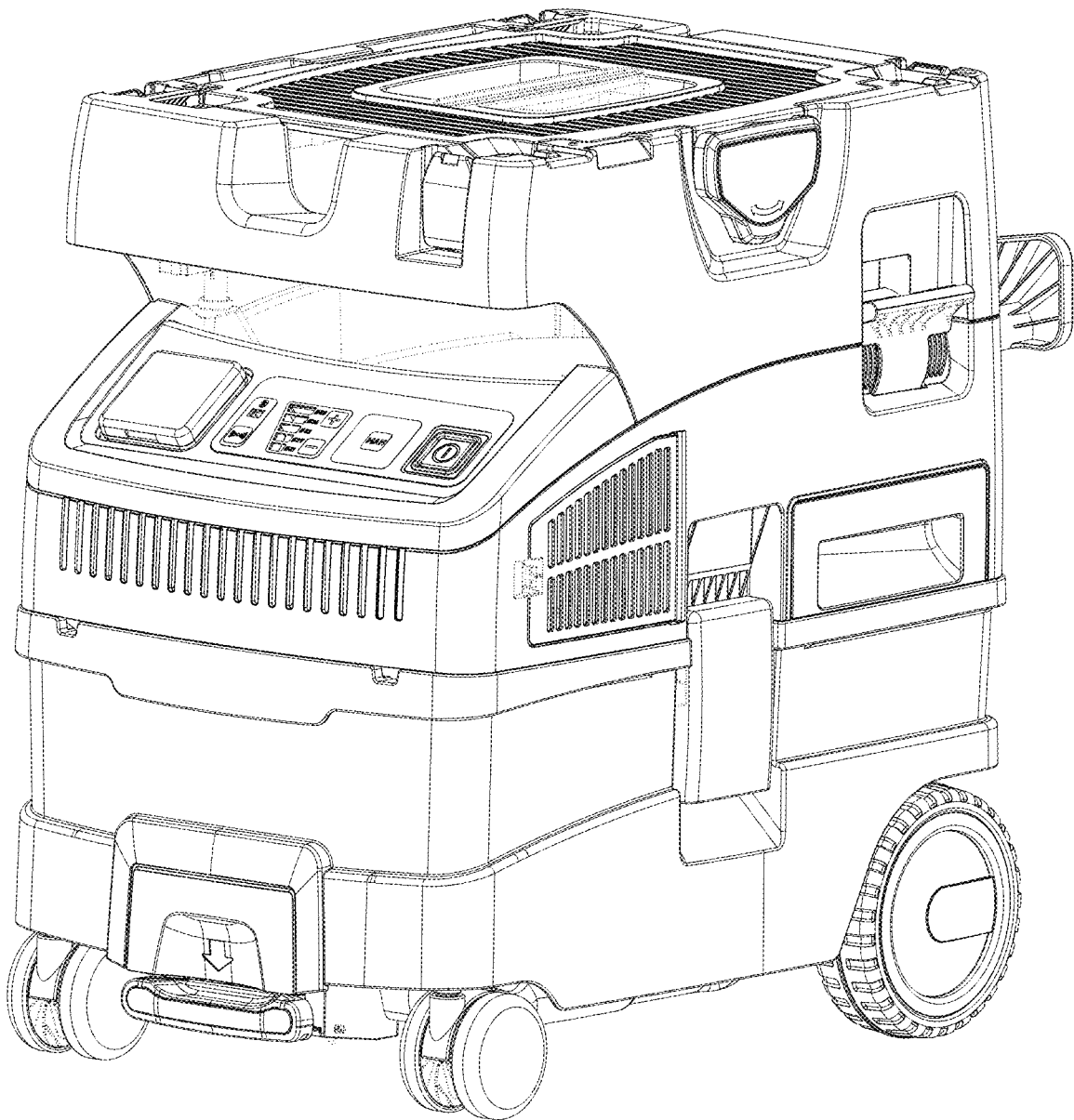


FIG. 8

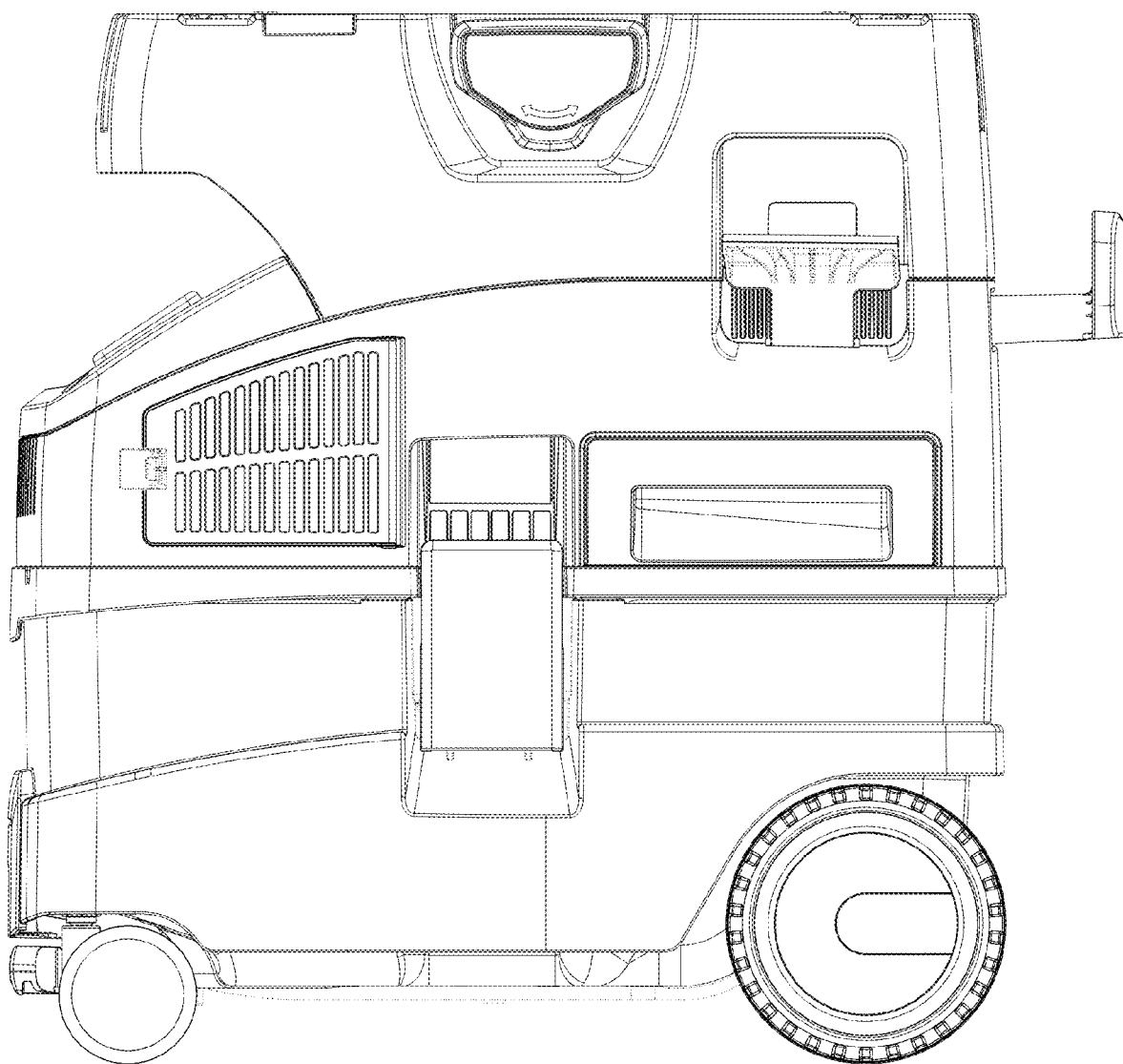


FIG. 9

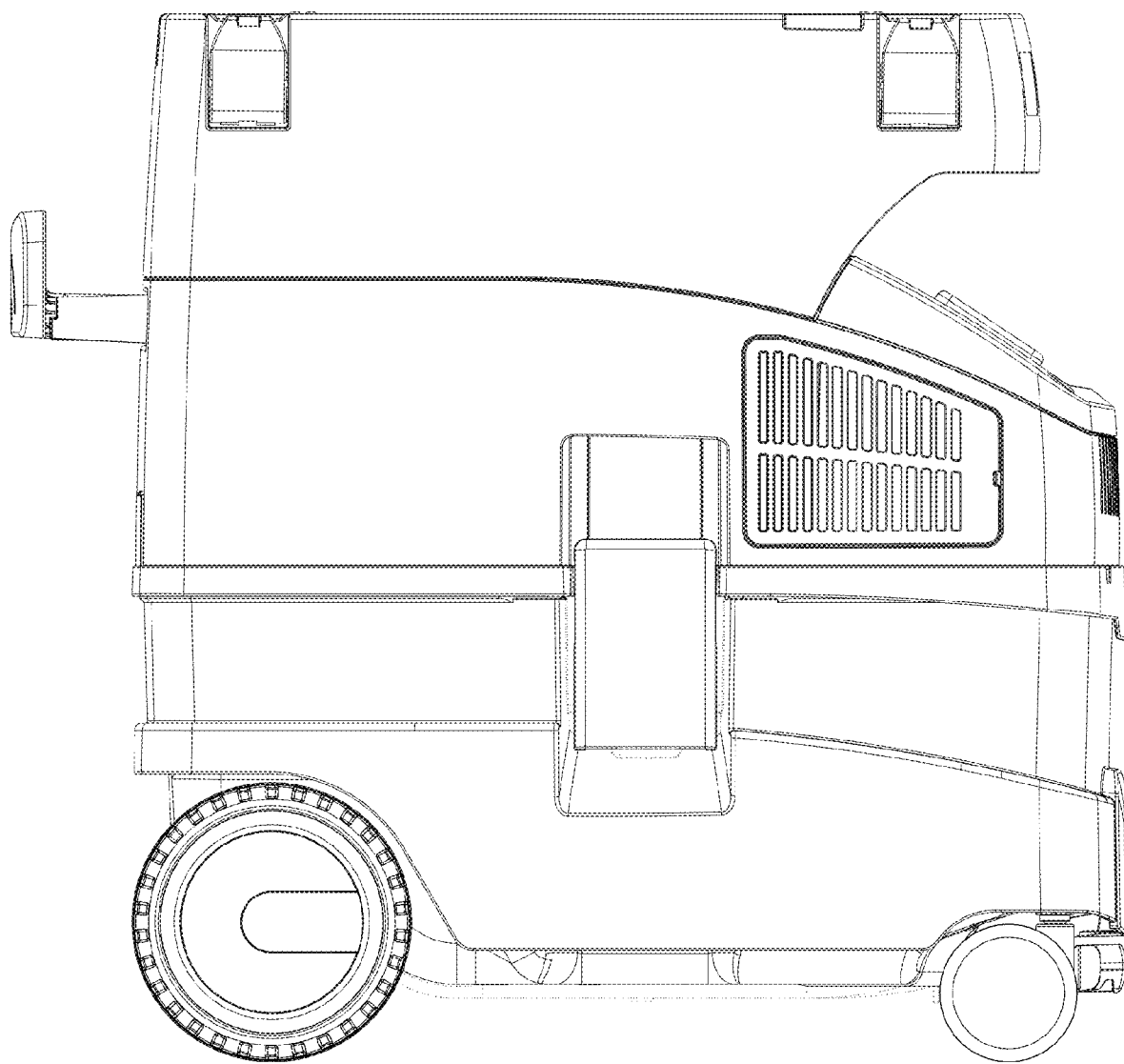


FIG. 10

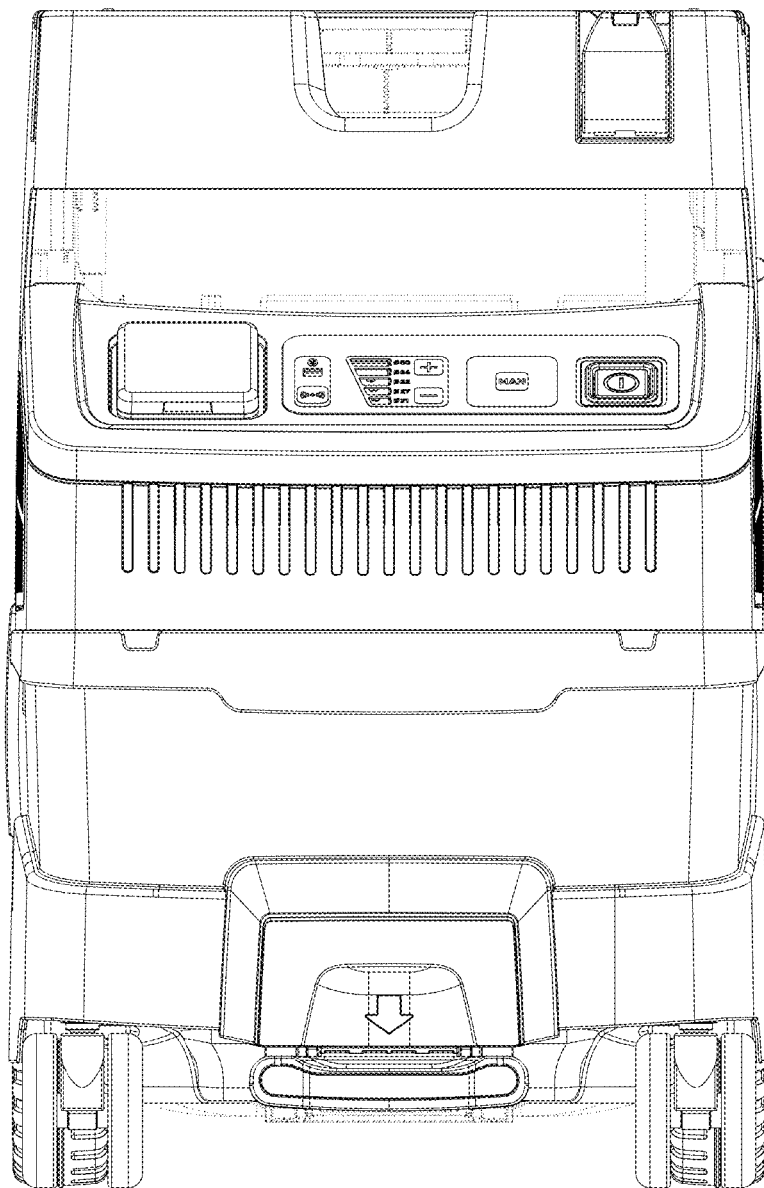


FIG. 11

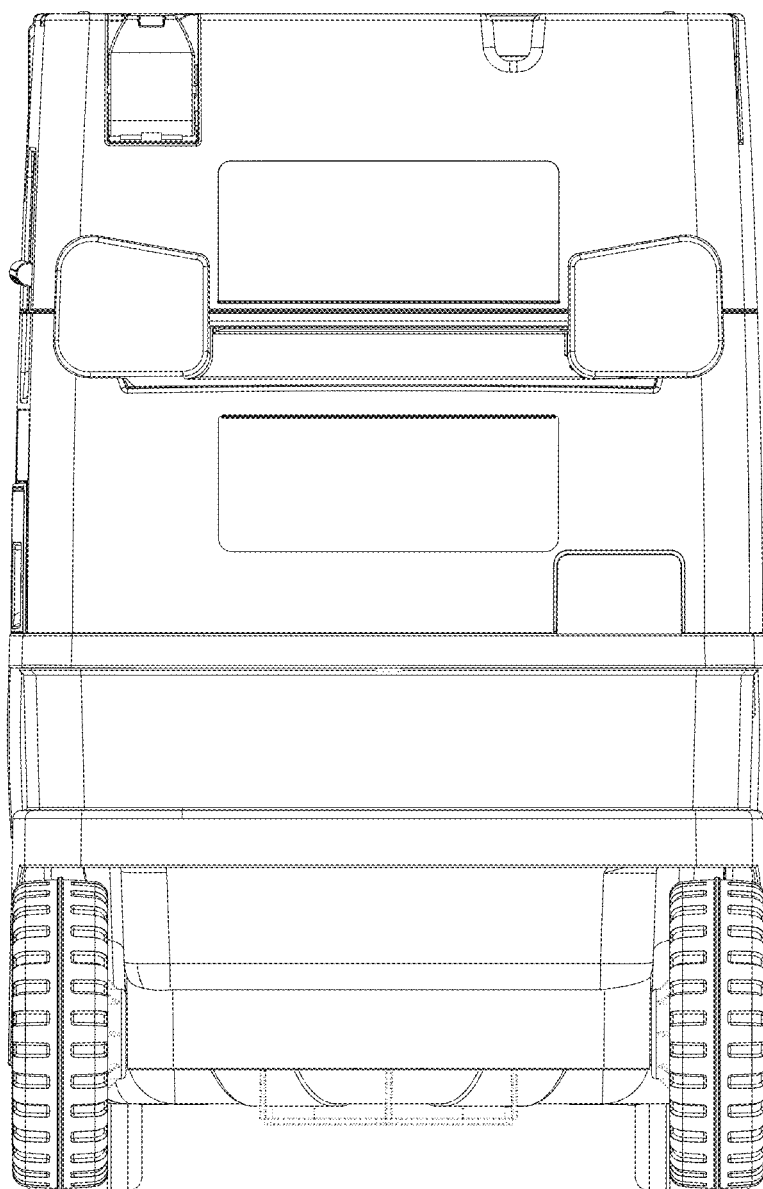


FIG. 12

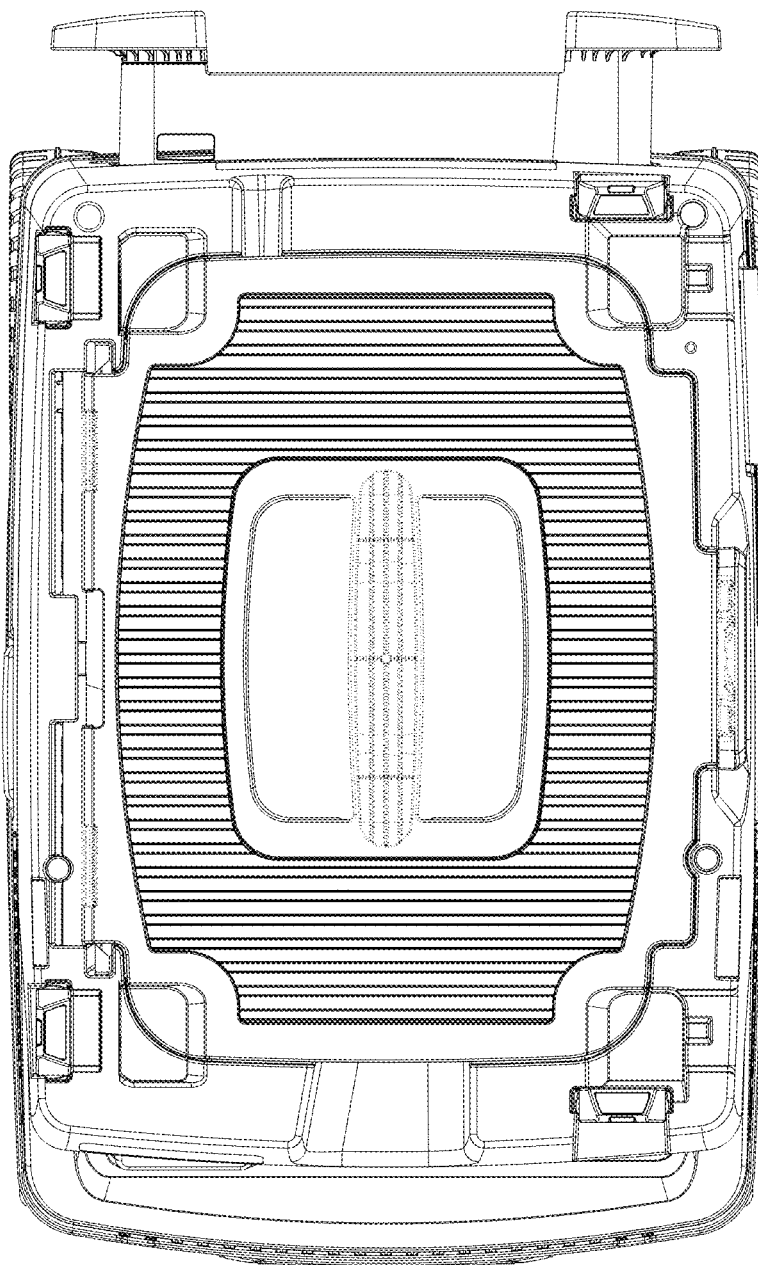


FIG. 13

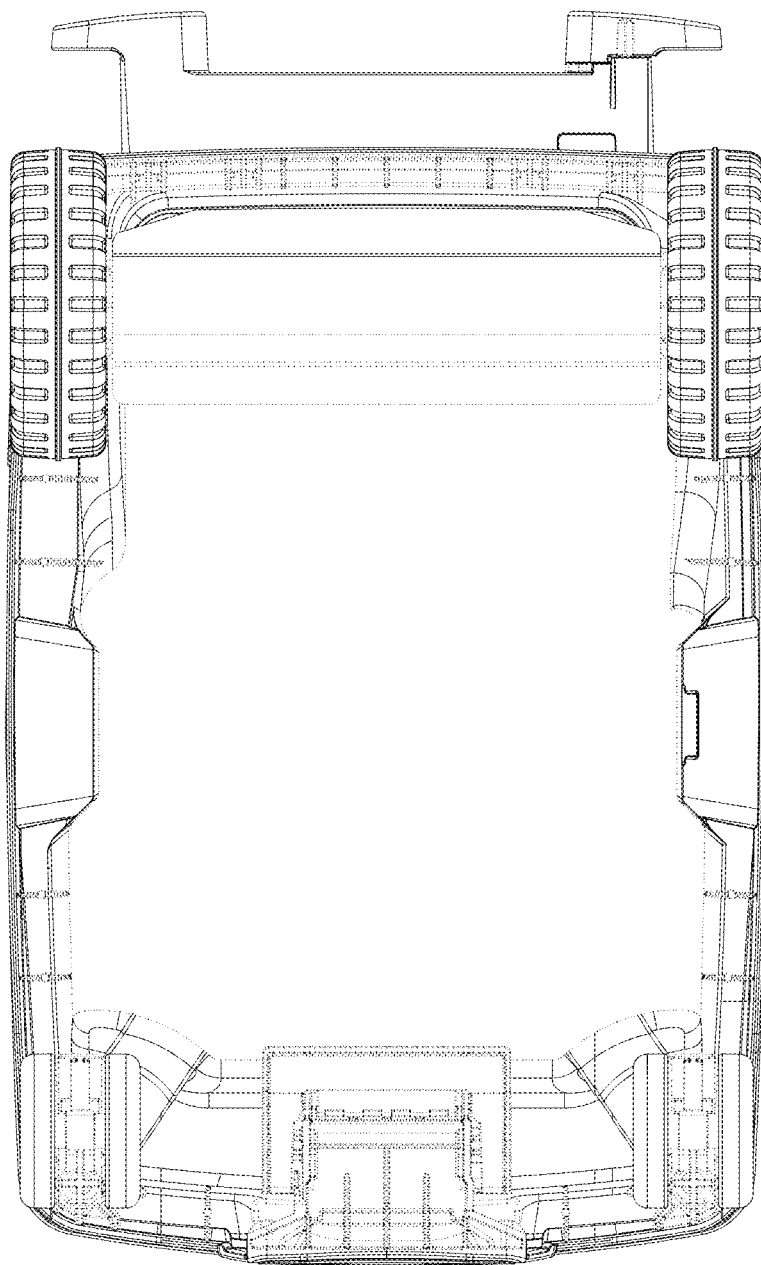


FIG. 14