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

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- (54) **MOBILE ROBOT**
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- (\*\*) Term: **15 Years**
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(52) **U.S. Cl.**  
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(58) **Field of Classification Search**  
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D32/21  
CPC ..... B25J 5/007; B25J 9/1694; G05D 1/027;  
G05D 1/0011; G05D 1/0231; G05D  
1/0242; Y10S 901/01; Y10S 901/46;  
Y10S 901/49

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- D700,923 S \* 3/2014 Lin ..... D15/143
- D810,799 S \* 2/2018 Sokuza ..... D15/199
- D812,663 S \* 3/2018 Waters ..... D15/199
- D832,372 S \* 10/2018 Huang ..... D21/578
- D839,331 S \* 1/2019 Nilsson ..... D15/199
- D853,461 S \* 7/2019 Cheikh ..... D15/199

- D857,773 S \* 8/2019 Muraishi ..... D15/199
- D863,387 S \* 10/2019 Wang ..... D15/199
- D864,270 S \* 10/2019 Hu ..... D15/199
- D865,021 S \* 10/2019 Hu ..... D15/199
- 10,493,624 B1 \* 12/2019 Nabat ..... B25J 9/1633
- 2006/0186561 A1 \* 8/2006 Song ..... A47L 7/04  
261/26
- 2009/0035181 A1 \* 2/2009 Chung ..... A61B 5/00  
422/68.1
- 2010/0228394 A1 \* 9/2010 Yi ..... G05D 1/0246  
700/253
- 2012/0026481 A1 \* 2/2012 Chen ..... G05D 1/0242  
356/4.01
- 2015/0020326 A1 \* 1/2015 Schnittman ..... A47L 11/34  
15/52.1
- 2015/0166060 A1 \* 6/2015 Smith ..... B60W 30/09  
701/23
- 2016/0271795 A1 \* 9/2016 Vicenti ..... B25J 9/163
- 2017/0038776 A1 \* 2/2017 Gariepy ..... G05D 1/0022
- 2017/0150863 A1 \* 6/2017 Kim ..... A47L 9/2805
- 2017/0269212 A1 \* 9/2017 Strang ..... G01S 7/4816

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*Primary Examiner* — Patricia A Palasik

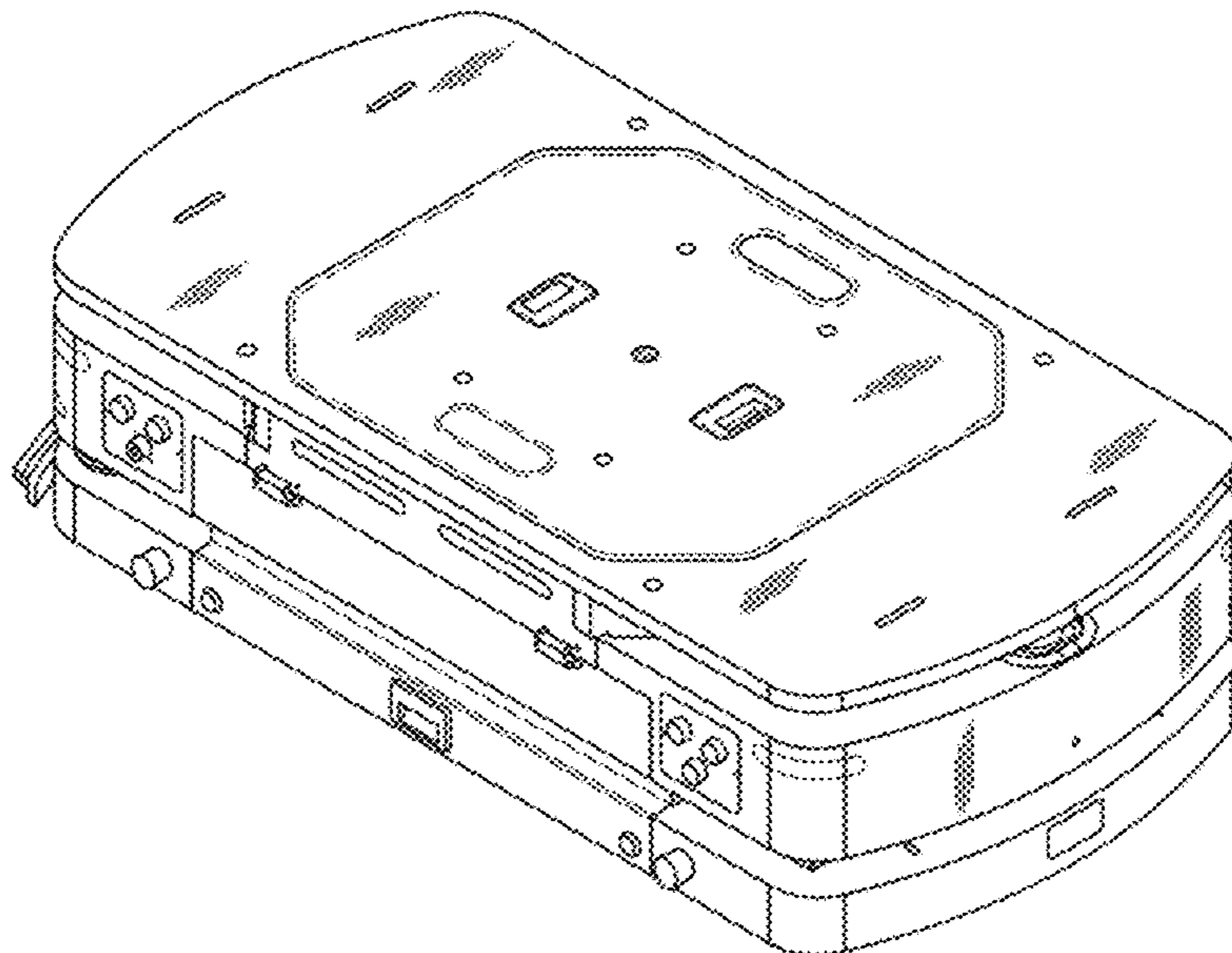
(57) **CLAIM**

The ornamental design for a mobile robot, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, rear and right side perspective view of a mobile robot showing our new design; FIG. 2 is a top, front and left side perspective view thereof; FIG. 3 is a front elevational view thereof; FIG. 4 is a rear elevational view thereof; FIG. 5 is a left side view thereof; FIG. 6 is a right side view thereof; FIG. 7 is a top plan view thereof; and, FIG. 8 is a bottom plan view thereof. The broken lines in the drawings depict portions of the mobile robot and form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

2017/0332862	A1 *	11/2017	Jun	.....	G05D 1/0248
2017/0332872	A1 *	11/2017	Jun	.....	G06T 7/521
2018/0186001	A1 *	7/2018	Scheurer	.....	B25J 9/162
2018/0192842	A1 *	7/2018	Sung	.....	A47L 9/009
2018/0213987	A1 *	8/2018	Hong	.....	A47L 9/02
2018/0213992	A1 *	8/2018	Koetz	.....	A47L 9/0411
2018/0284786	A1 *	10/2018	Moshkina-Martinson	.....	A47L 9/2847
2018/0329409	A1 *	11/2018	Huang	.....	G05D 1/0246
2019/0014964	A1 *	1/2019	Velasquez	.....	A47L 11/34
2019/0015990	A1 *	1/2019	Hillen	.....	B25J 9/1697
2019/0133396	A1 *	5/2019	Lim	.....	A47L 9/28
2019/0174987	A1 *	6/2019	Strang	.....	A47L 9/2857
2019/0176330	A1 *	6/2019	Noh	.....	B25J 9/1697
2019/0208970	A1 *	7/2019	Suchman	.....	A47L 7/0028
2019/0282050	A1 *	9/2019	Hyun	.....	A47L 9/16
2019/0332115	A1 *	10/2019	Lim	.....	A47L 9/28

\* cited by examiner

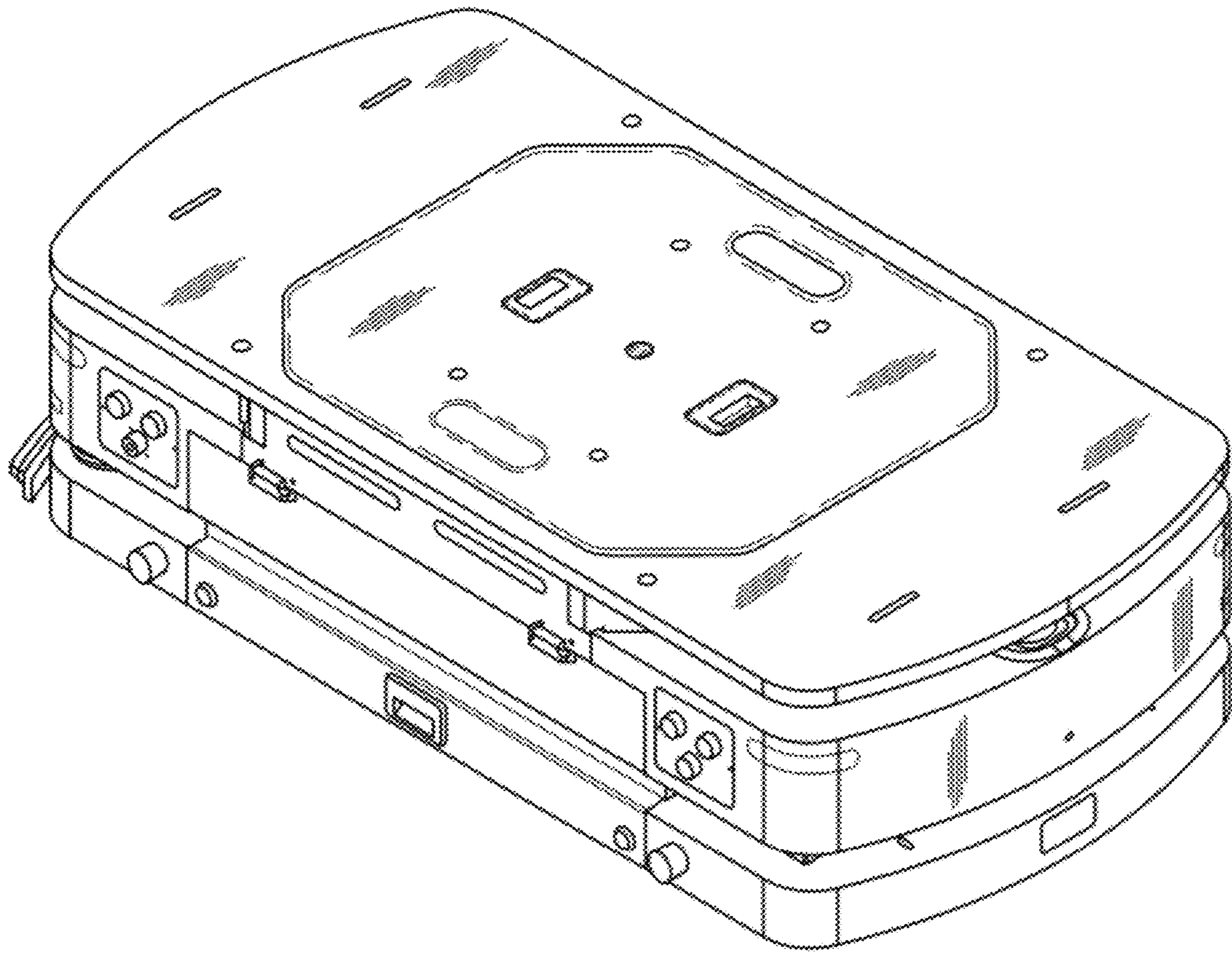


Fig. 1

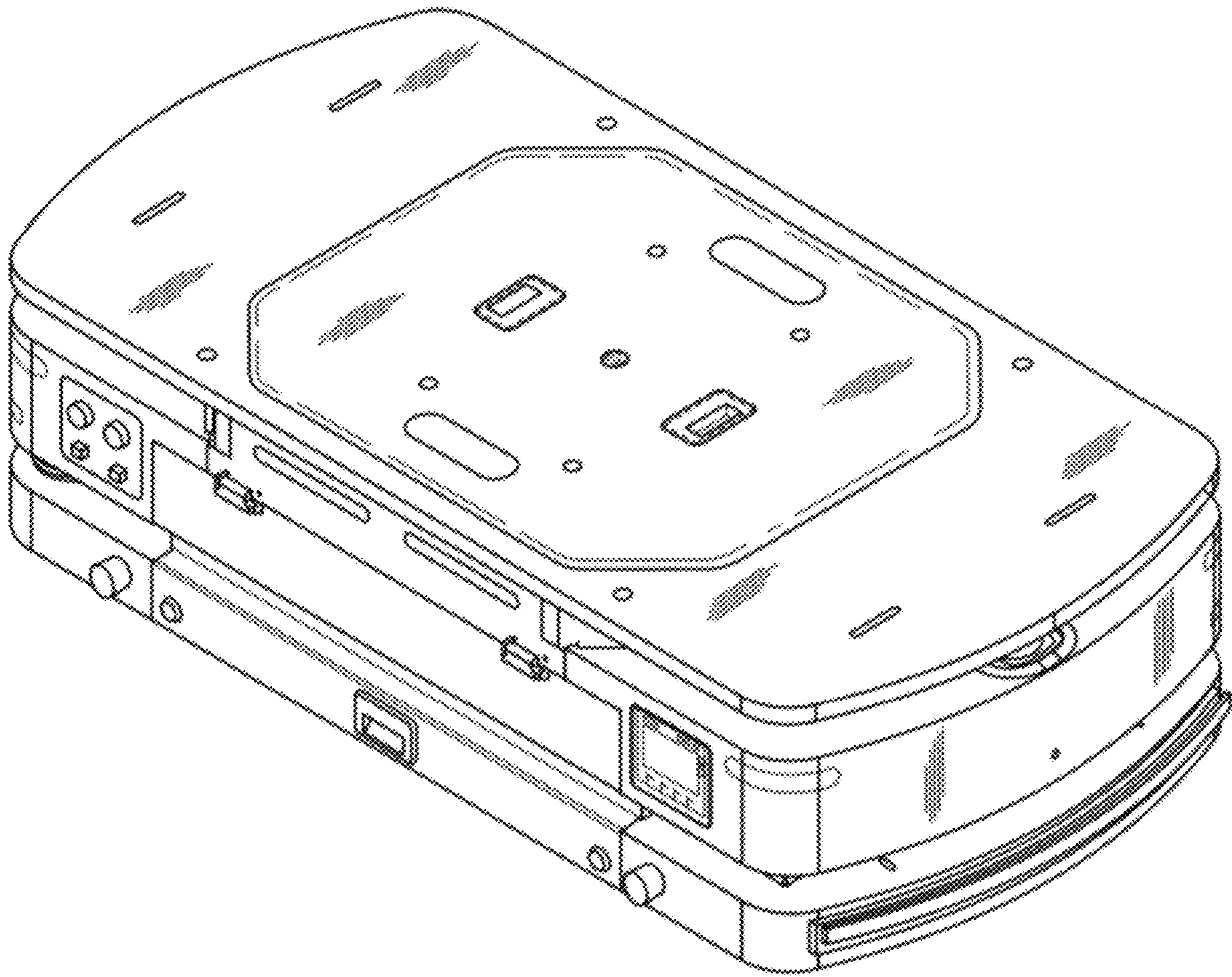


Fig. 2

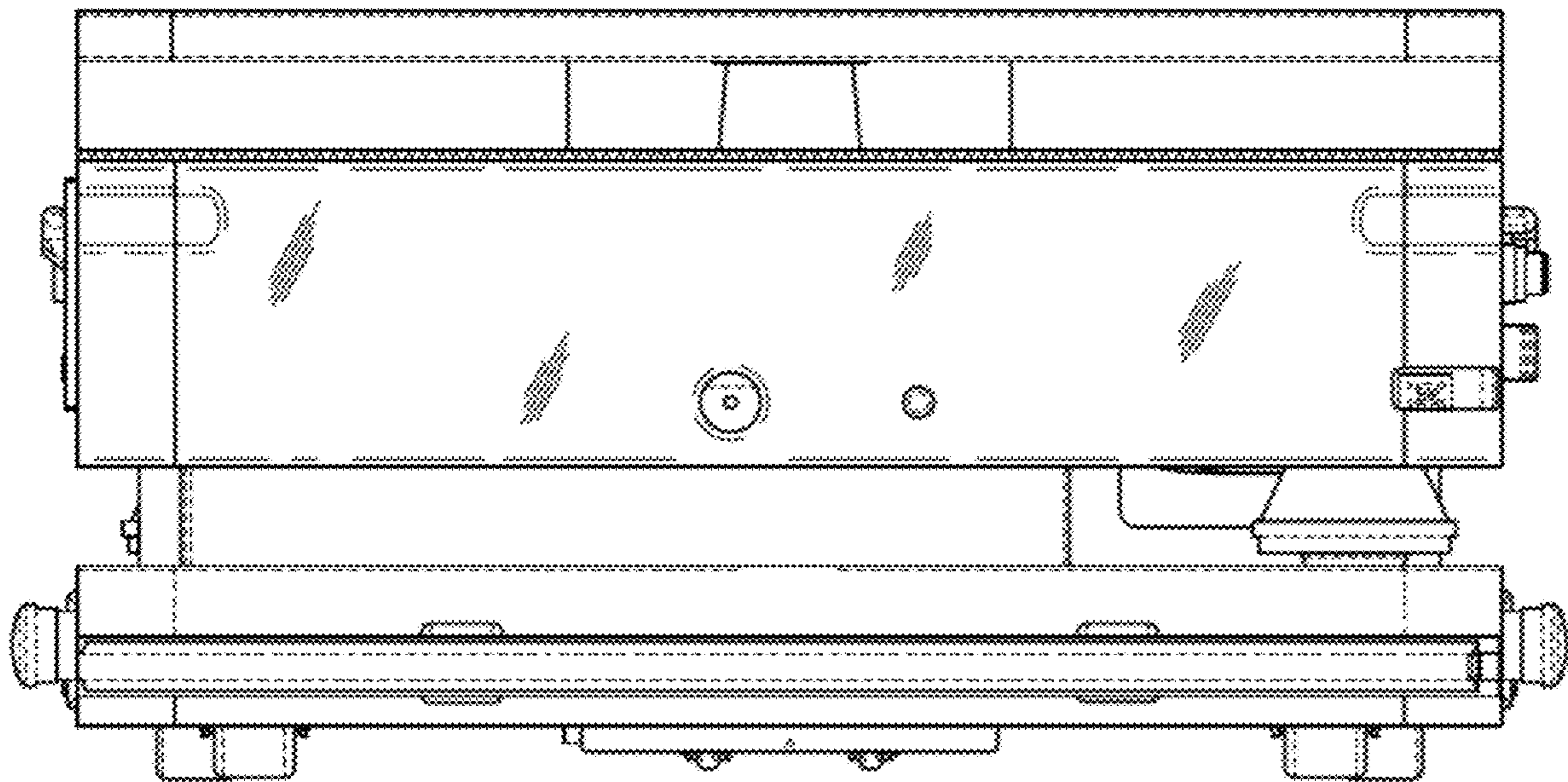


Fig. 3

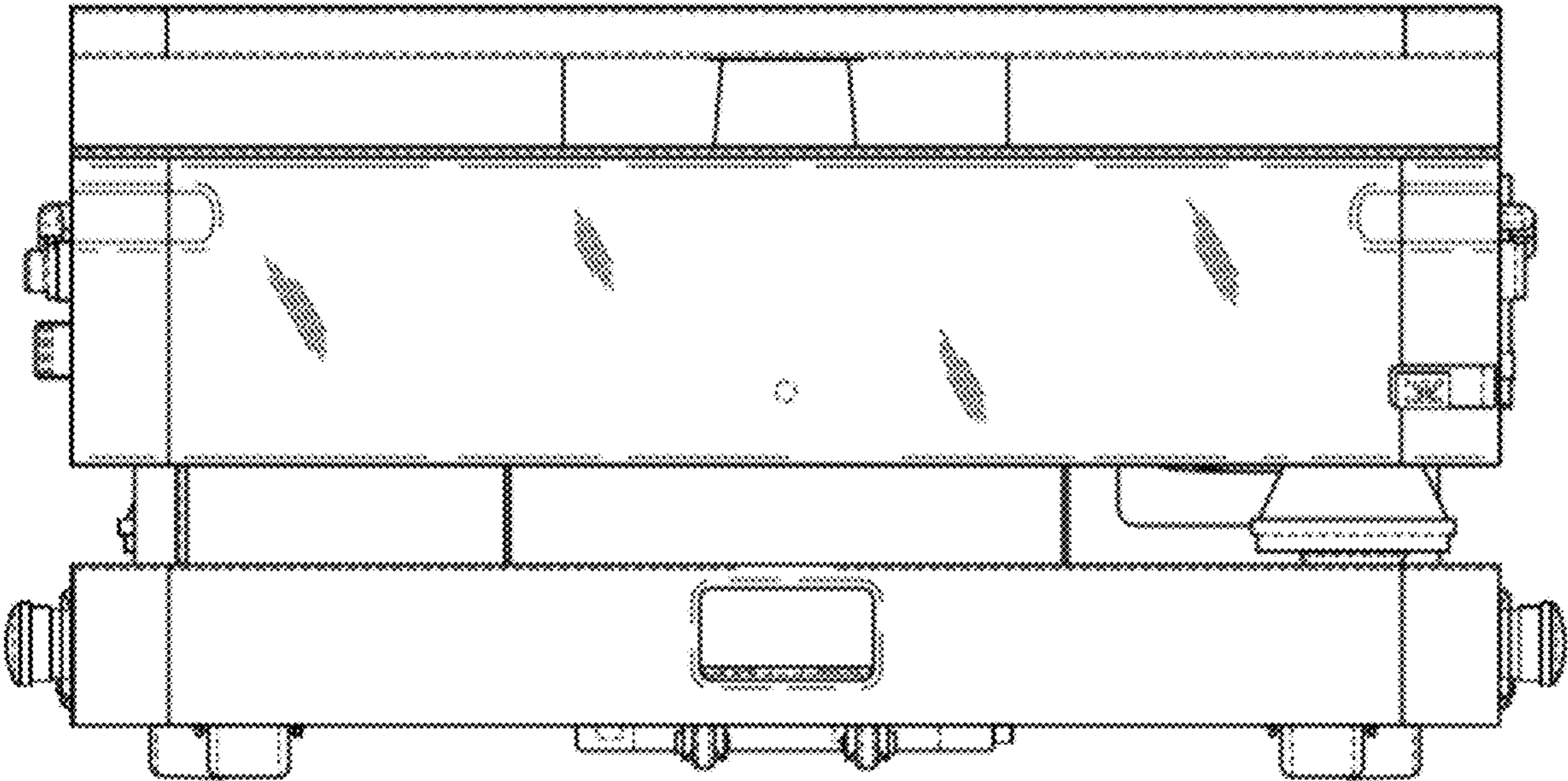


Fig. 4

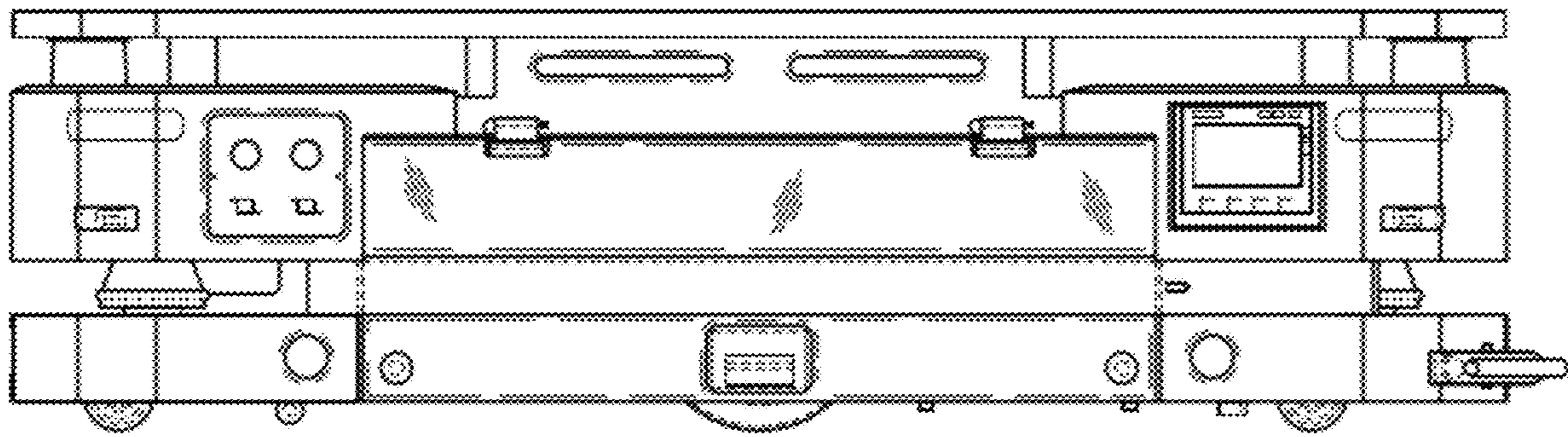


Fig. 5

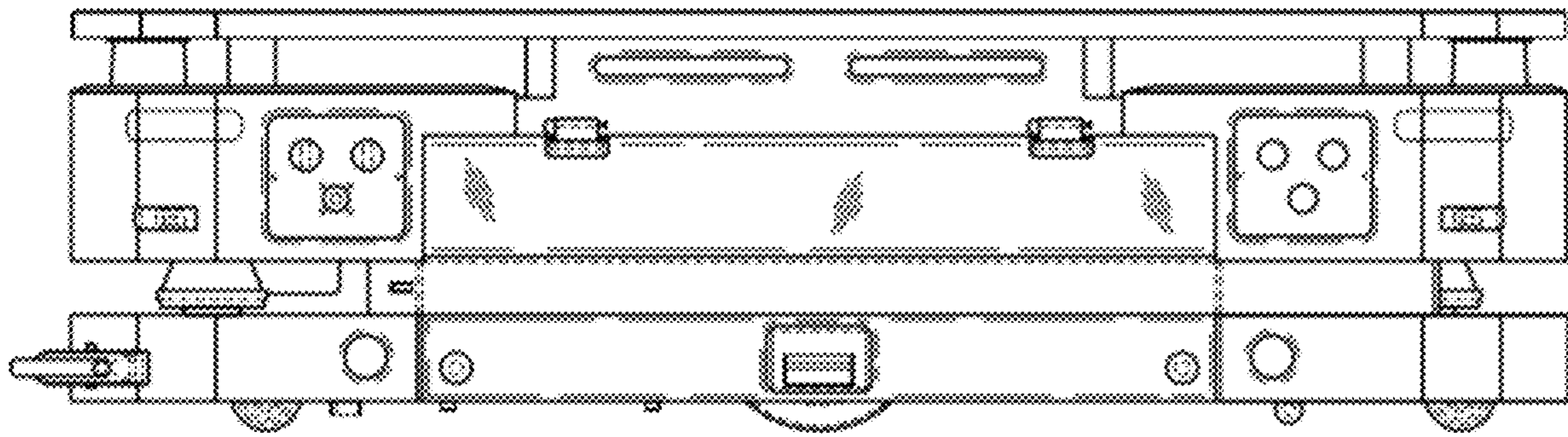


Fig. 6



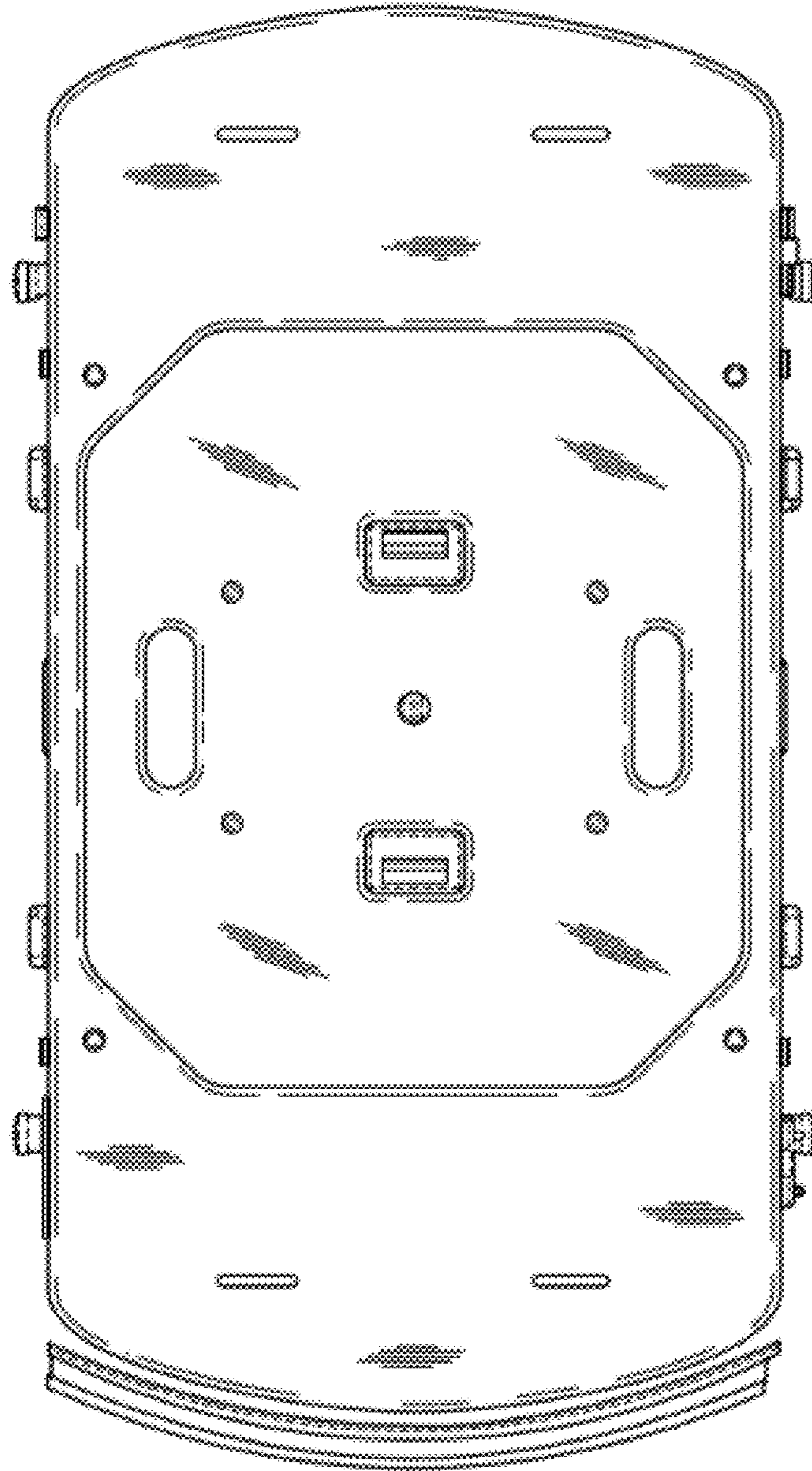


Fig. 7

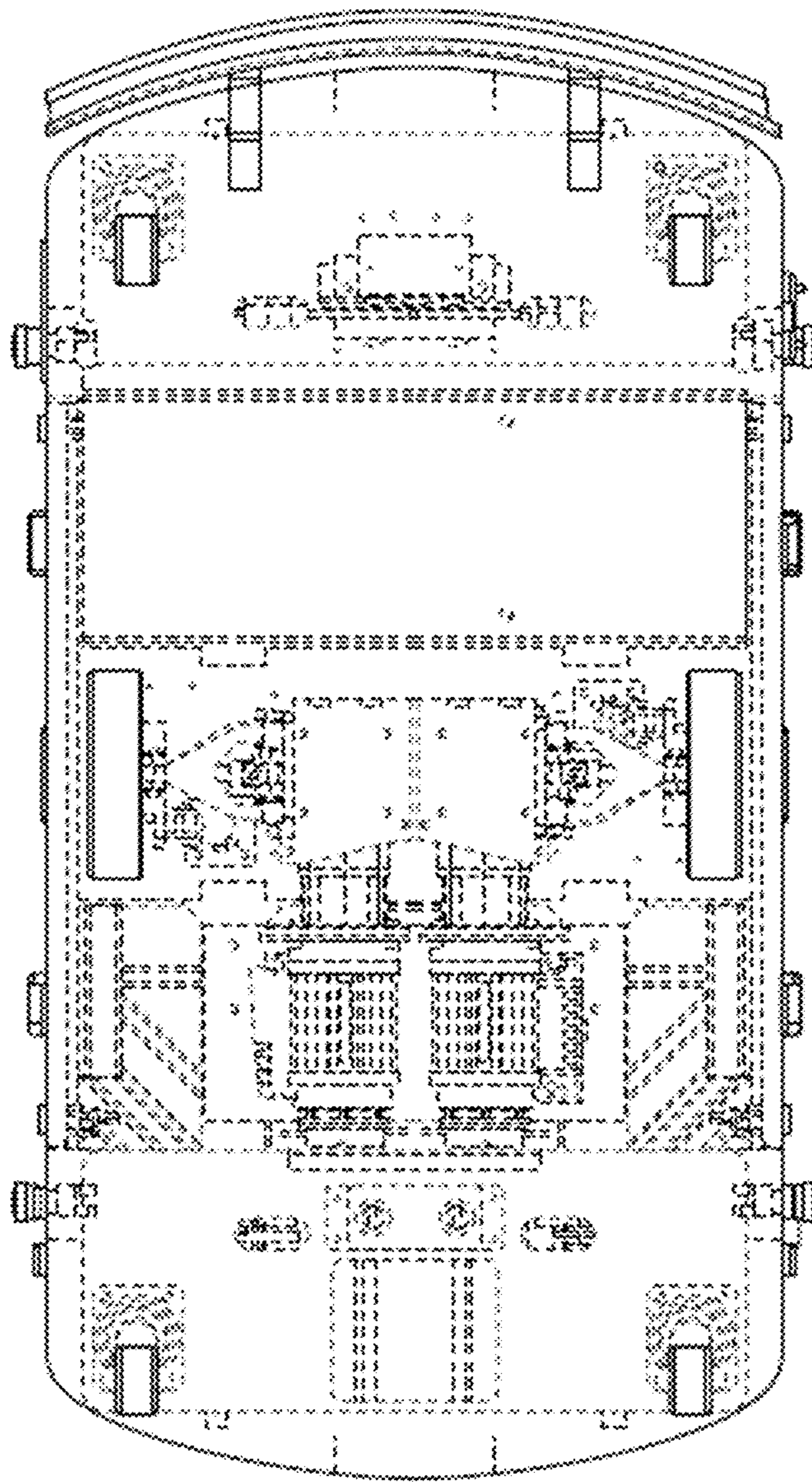


Fig. 8