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Bangalore Srinivas et al.

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(54) **INDUSTRIAL ROBOT**

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

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(51) **LOC (13) Cl.** **15-99**

(52) **U.S. Cl.**
USPC **D15/199**

(58) **Field of Classification Search**
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D32/21; D34/34
CPC B23K 9/133; B23K 9/287; B25J 9/0018;
B25J 19/0025; Y10T 74/20; Y10T
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74/20305; Y10S 901/01

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,496,274 A * 1/1985 Pipes B66F 9/063
414/340
4,657,463 A * 4/1987 Pipes B62D 1/24
180/167

5,154,249 A * 10/1992 Yardley B60D 1/06
180/168
5,658,120 A * 8/1997 Watanabe B23Q 7/1436
414/495
D810,799 S * 2/2018 Sokuza D15/199
D817,375 S * 5/2018 Deyle D15/199
D819,711 S * 6/2018 Li D15/199
D841,067 S * 2/2019 Camporesi D15/199
D857,073 S * 8/2019 Gayne D15/199
D864,270 S * 10/2019 Hu D15/199
D865,021 S * 10/2019 Hu D15/199
D869,533 S * 12/2019 Kim D15/199
D870,787 S * 12/2019 Kim D15/199
D870,788 S * 12/2019 Kim D15/199
D871,475 S * 12/2019 Kolb D15/199
D871,477 S * 12/2019 Kolb D15/199
D873,173 S * 1/2020 Brucker D12/1
D879,852 S * 3/2020 Chen D15/199
D884,764 S * 5/2020 Mori D15/199
D887,468 S * 6/2020 Hirvesaar D15/199
D888,790 S * 6/2020 Yao D15/199
D890,239 S * 7/2020 Srivastava D15/199
D893,570 S * 8/2020 Zheng D15/199
2009/0035181 A1 * 2/2009 Chung G01N 35/0099
422/68.1

(Continued)

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(57)

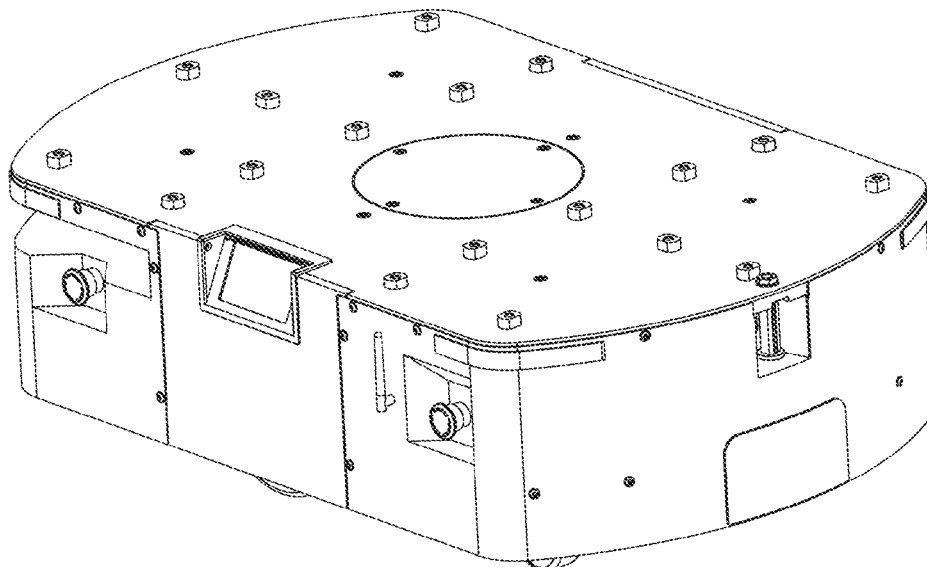
CLAIM

We claim the ornamental design for industrial robot, as shown and described.

DESCRIPTION

FIG. 1 is a front view of an industrial robot;
FIG. 2 is a rear view thereof;
FIG. 3 is a right side view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a top view thereof;
FIG. 6 is a left perspective view thereof; and,
FIG. 7 is a right perspective view thereof.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2010/0316468	A1 *	12/2010	Lert	B65G 1/1373 414/273
2014/0074287	A1 *	3/2014	LaFary	B25J 9/1676 700/253
2015/0073589	A1 *	3/2015	Khodl	B65G 1/1378 700/218
2017/0337506	A1 *	11/2017	Wise	G06Q 10/087
2018/0072212	A1 *	3/2018	Alfaro	G05D 1/0278
2018/0099811	A1 *	4/2018	Shen	B66F 9/063

* cited by examiner

FIG.1

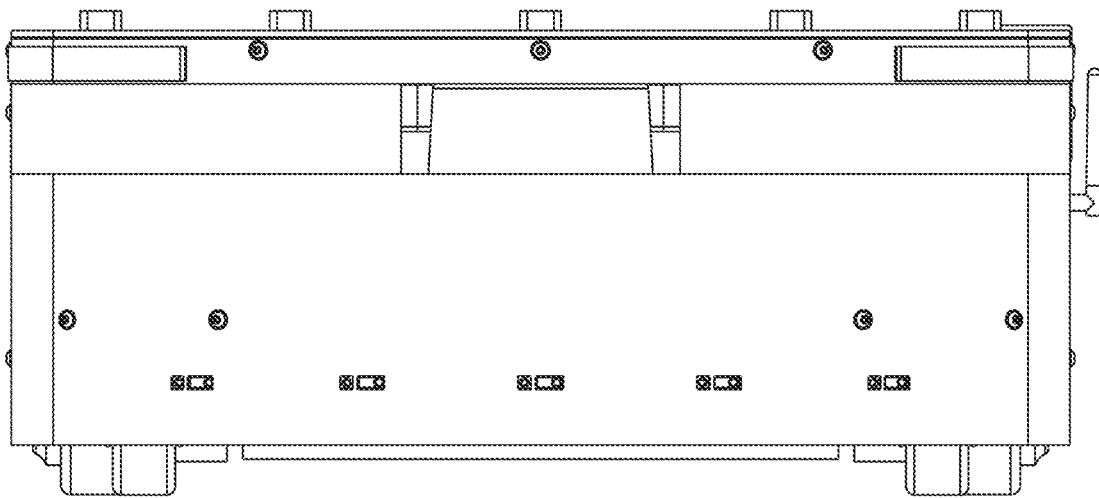


FIG.2

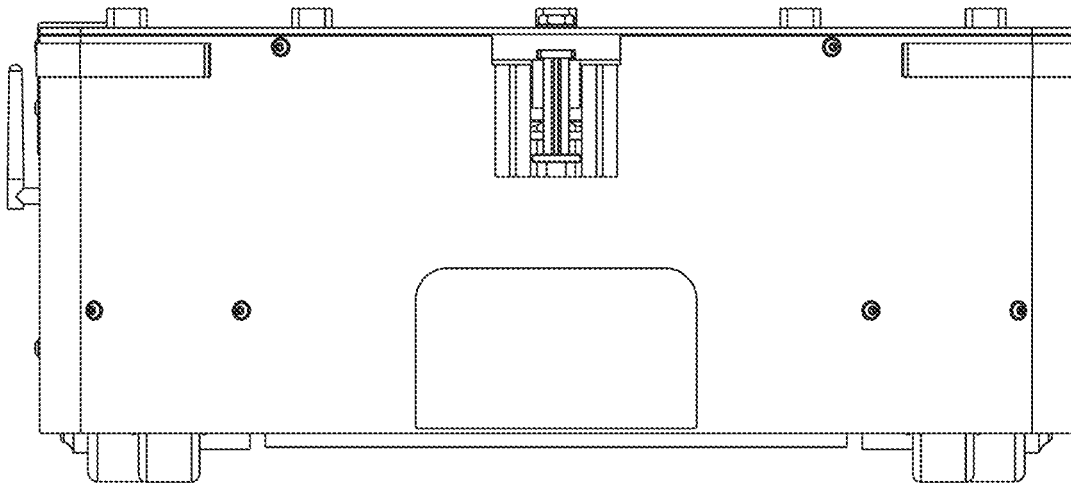


FIG.3

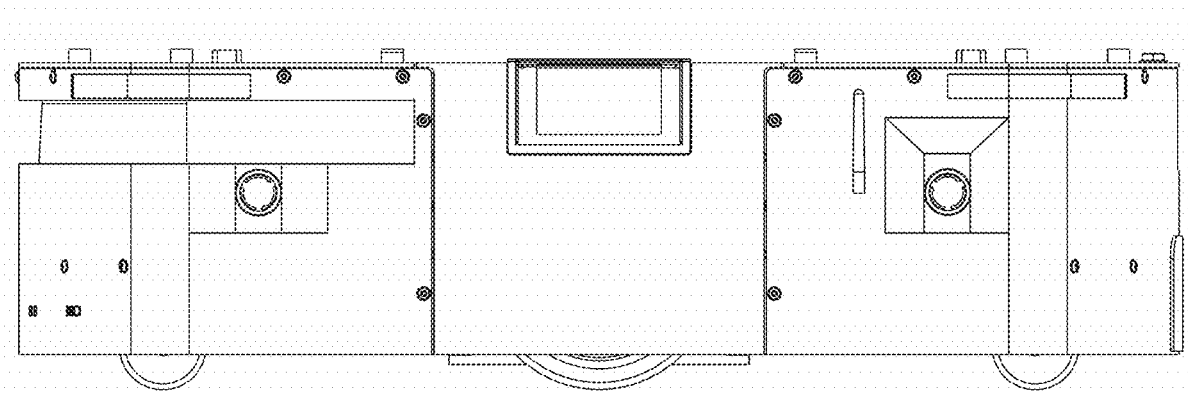


FIG.4

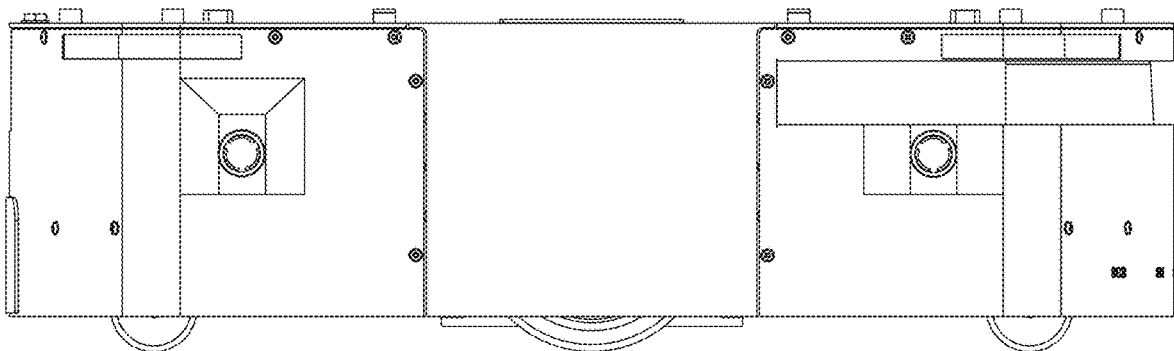


FIG.5

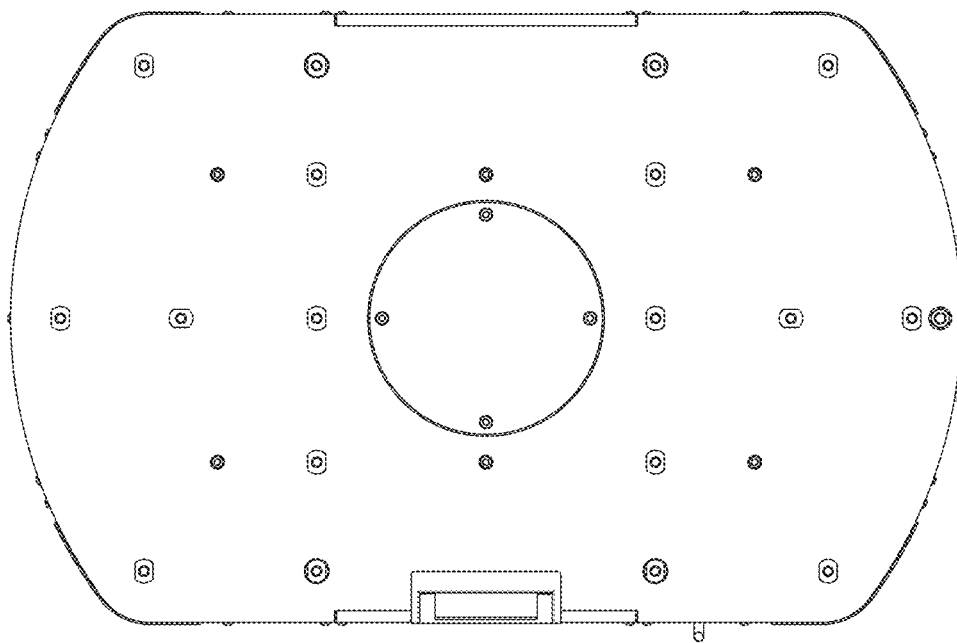


FIG. 6

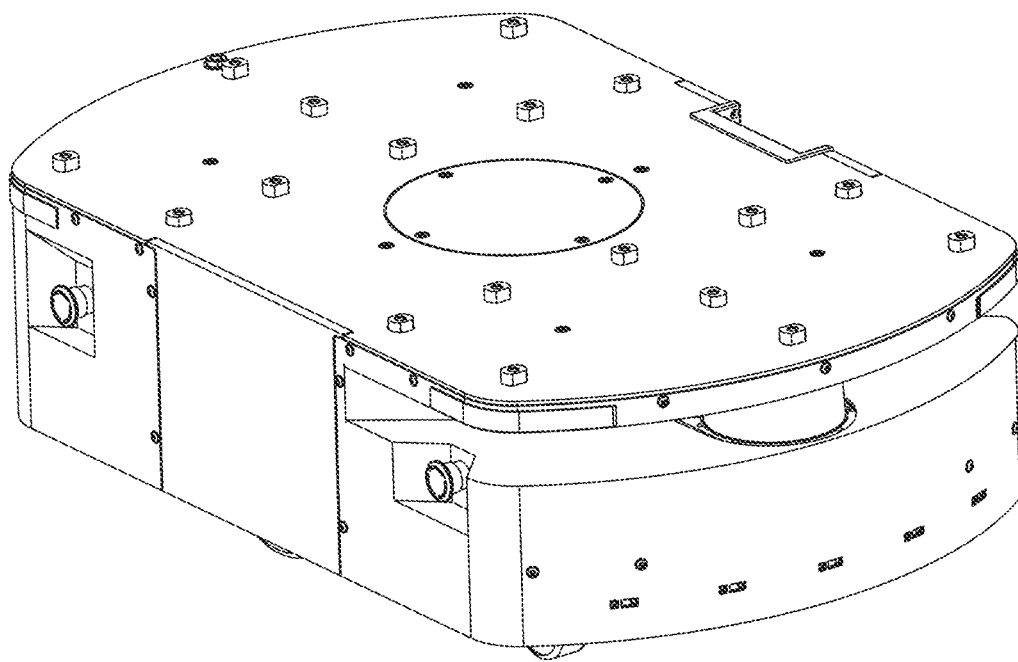


FIG. 7

