



US0D1089350S

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

(10) **Patent No.:** **US D1,089,350 S**

(45) **Date of Patent:** **** Aug. 19, 2025**

(54) **AUTONOMOUS MOBILE ROBOT**
(71) Applicant: **ROBOTIS CO., LTD.**, Seoul (KR)
(72) Inventors: **Kyeong Han Jeong**, Seoul (KR); **Hong Ho Kim**, Seoul (KR); **Byoung Soo Kim**, Seoul (KR); **In Yong Ha**, Seoul (KR)
(73) Assignee: **ROBOTIS CO., LTD.**, Seoul (KR)
(**) Term: **15 Years**
(21) Appl. No.: **29/901,038**
(22) Filed: **Aug. 28, 2023**

D978,211 S * 2/2023 Zhao D15/199
D978,942 S * 2/2023 Fuchs D15/199
D987,699 S * 5/2023 Chen D15/199
D993,999 S * 8/2023 Yang D15/199
D994,000 S * 8/2023 Yang D15/199
D994,001 S * 8/2023 Wang D15/199
D1,004,665 S * 11/2023 Jin D15/199
D1,006,849 S * 12/2023 Jones D15/199
D1,010,700 S * 1/2024 Li D15/199
D1,021,989 S * 4/2024 Tsushima D15/199
D1,030,833 S * 6/2024 Cho D15/199
D1,052,631 S * 11/2024 Azoulay D15/199
D1,052,633 S * 11/2024 Azoulay D15/199
D1,052,634 S * 11/2024 Azoulay D15/199
D1,052,635 S * 11/2024 Azoulay D15/199

(Continued)

(30) **Foreign Application Priority Data**

Apr. 7, 2023 (KR) 30-2023-0013432

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

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

(58) **Field of Classification Search**

USPC D15/199; D21/578; D32/21; D34/34
CPC B25J 5/007; B25J 9/0003; B25J 11/00;
B62D 57/024; G06N 3/008; G05D
2201/0216; Y10S 901/01

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D934,933 S * 11/2021 Cho D15/199
D939,602 S * 12/2021 Wang B25J 11/00
D15/199
D944,305 S * 2/2022 Liu D15/199
D966,375 S * 10/2022 Huang D15/199
D966,378 S * 10/2022 Li D15/199
D969,894 S * 11/2022 Huang D15/199
D974,431 S * 1/2023 Cho D15/199
D974,434 S * 1/2023 Cho D15/199
D974,436 S * 1/2023 Im D15/199

OTHER PUBLICATIONS

<https://www.saharobotik.com/en/product-list/speedy-service/> (Year: 2025).*

Primary Examiner — Patricia A Palasik

(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

(57)

CLAIM

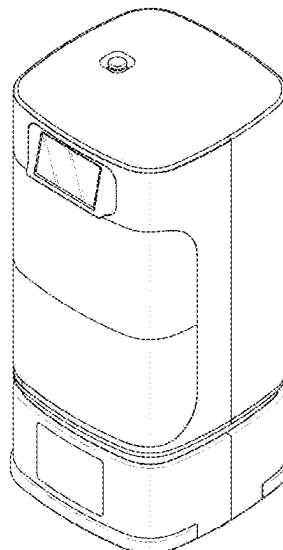
The ornamental design for an autonomous mobile robot as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an autonomous mobile robot, showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.

The broken lines in FIG. 7 depict unclaimed portions of the autonomous mobile robot which form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2009/0035181	A1 *	2/2009	Chung	G01N 35/04 422/68.1
2014/0074287	A1 *	3/2014	LaFary	G05D 1/0274 700/253
2015/0073589	A1 *	3/2015	Khodl	B65G 1/1378 700/218
2017/0337506	A1 *	11/2017	Wise	G05B 19/418

* cited by examiner

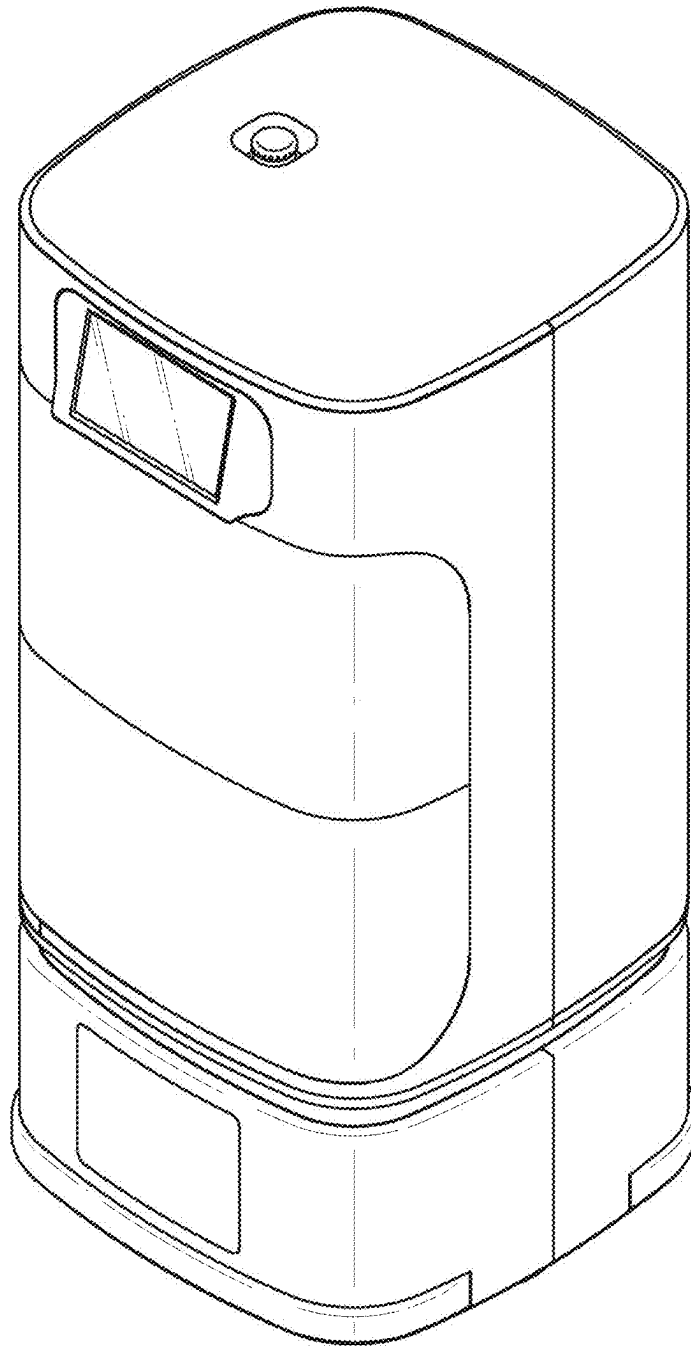


FIG. 1

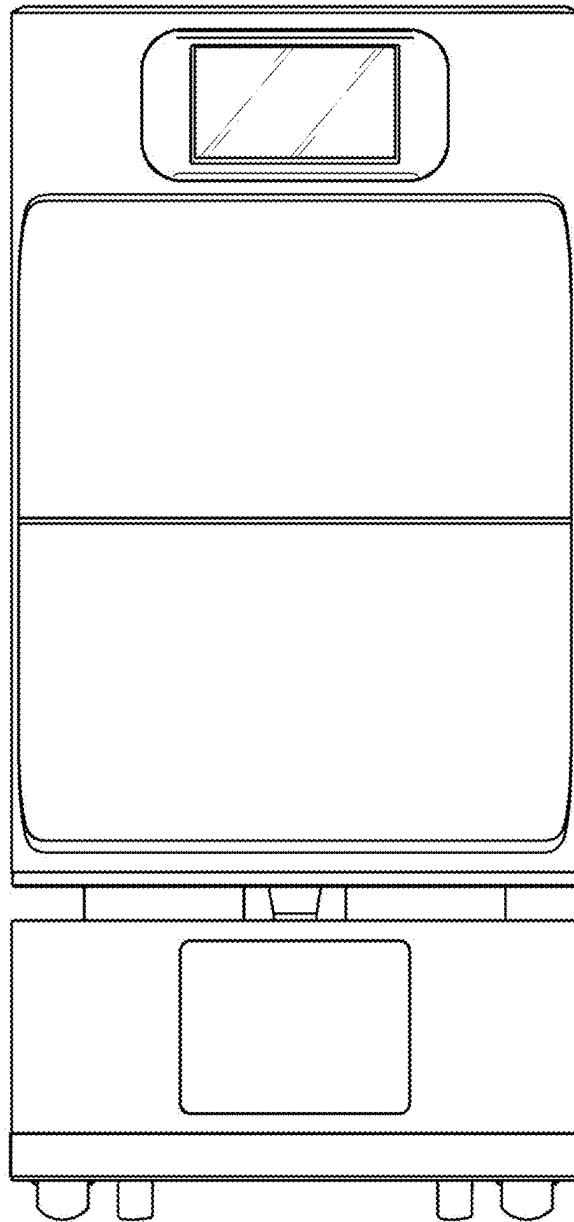


FIG. 2

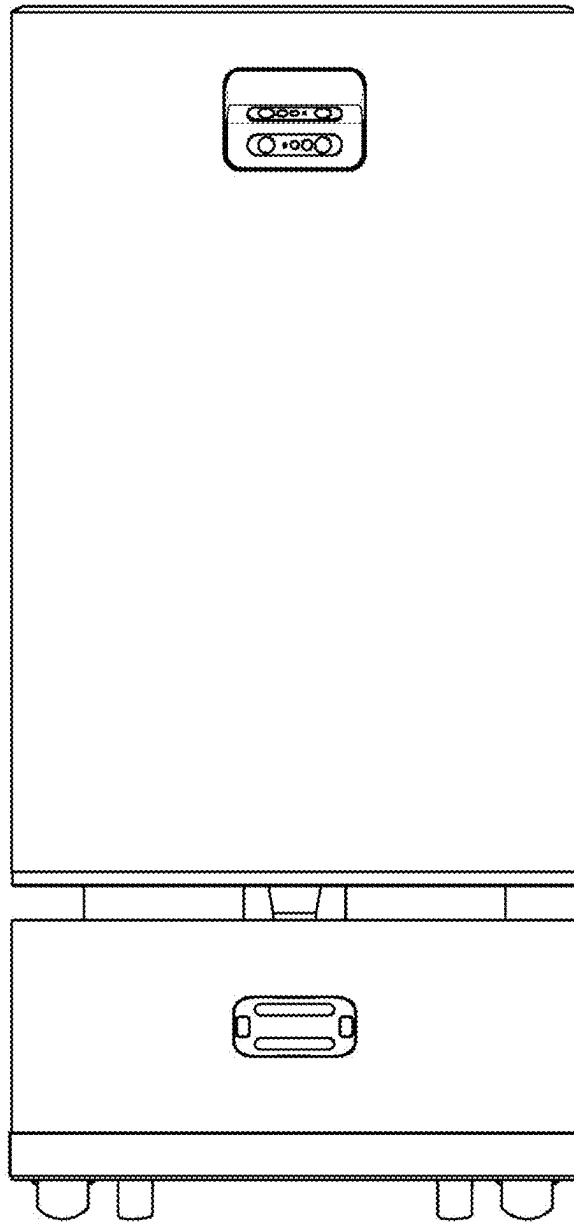


FIG. 3

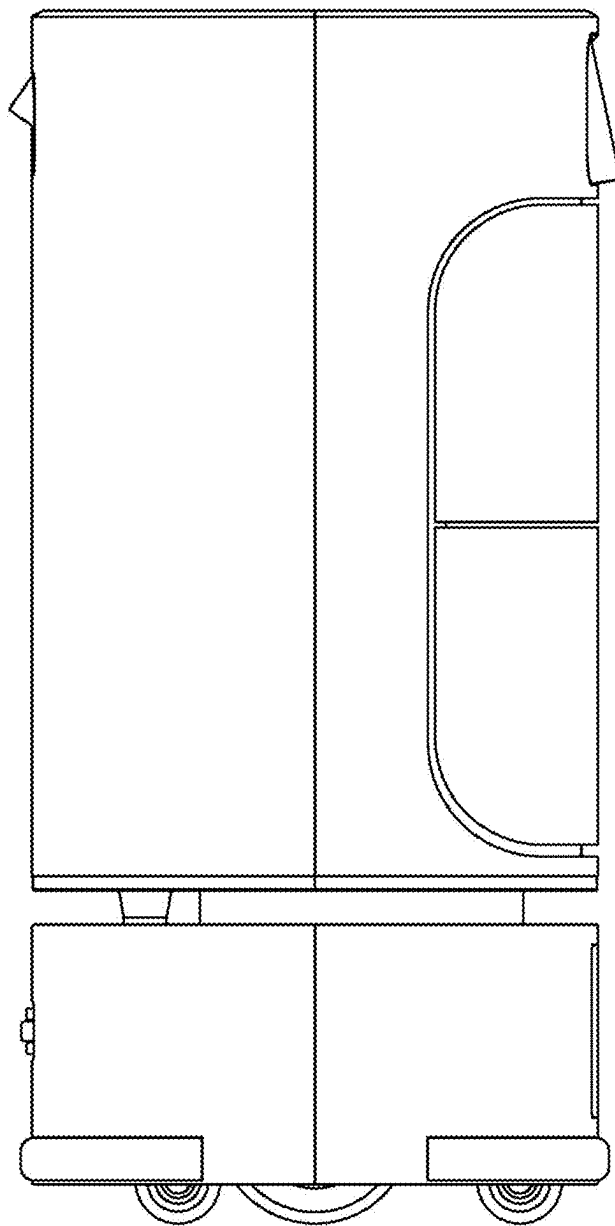


FIG. 4

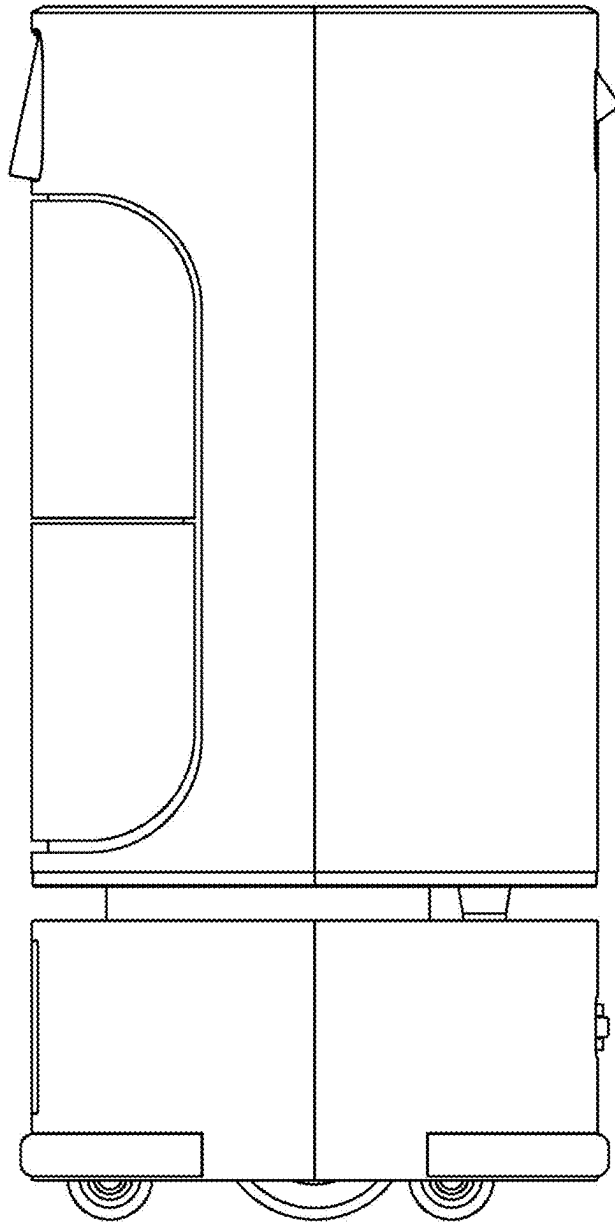


FIG. 5

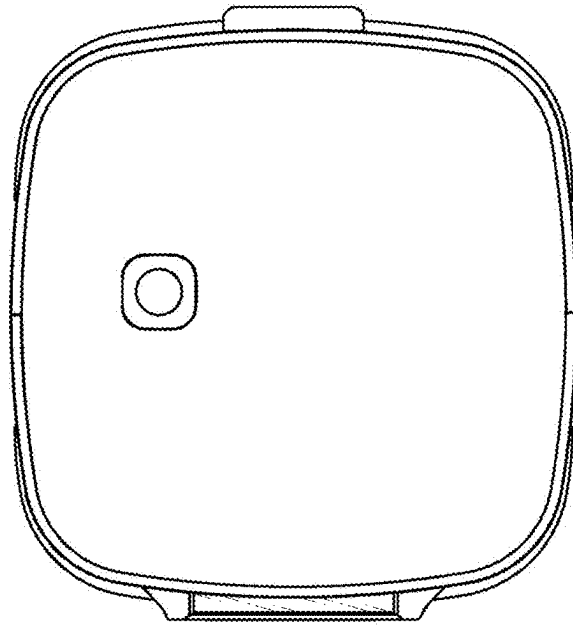


FIG. 6

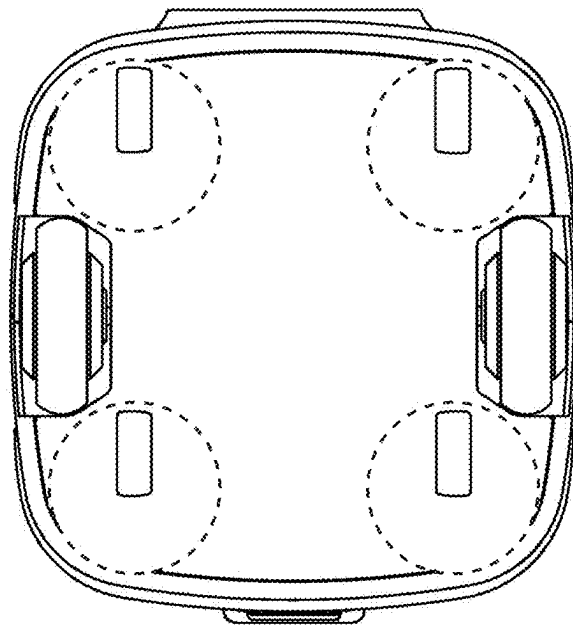


FIG. 7