

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
16 October 2025 (16.10.2025)



(10) International Publication Number
WO 2025/216708 A1

(51) International Patent Classification:
A47J 37/12 (2006.01)

(21) International Application Number:

PCT/SG2025/050243

(22) International Filing Date:

08 April 2025 (08.04.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10202401028R 08 April 2024 (08.04.2024) SG

(71) Applicant: **ROLO ROBOTICS PTE. LTD.** [SG/SG]; 267
Holland Avenue, #02-00, Singapore 278989 (SG).

(72) Inventors: **NAHAPPAN, Ravindran Athi**; c/o Rolo Robotics PTE. LTD., 267 Holland Avenue, #02-00, Singapore 278989 (SG). **MOHAN, Tushar**; c/o Rolo Robotics PTE. LTD., 267 Holland Avenue, #02-00, Singapore 278989 (SG). **BAI, Jialong**; c/o Rolo Robotics PTE. LTD., 267

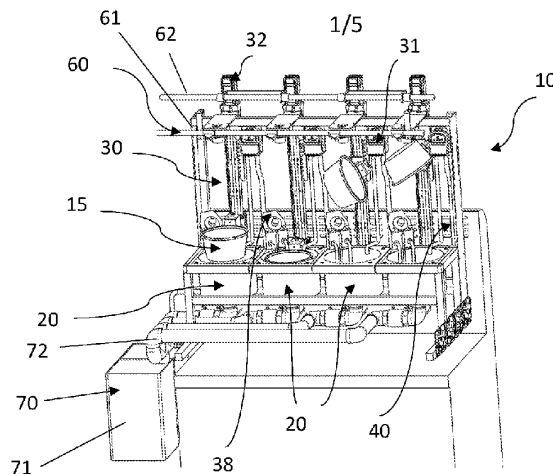
Holland Avenue, #02-00, Singapore 278989 (SG). **LIM, Hoong Ching**; c/o Rolo Robotics PTE. LTD., 267 Holland Avenue, #02-00, Singapore 278989 (SG).

(74) Agent: **YUSARN AUDREY LLC**; 4 Shenton Way, #14-03
SGX Centre 2, Singapore 068807 (SG).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, CV,

(54) Title: AUTOMATED AND SELF-SUSTAINING COOK STATION



[Fig. 1]

(57) Abstract: : An automated and self-sustaining cook station (10) comprising: one or more basket actuation modules (30), a cooking vat (20) for holding cooking liquid respectively provided for the or each basket actuation modules, the or each said basket actuation module including a basket dispensing module (31) moveable along the basket actuation module; and a basket (15) for holding food to be cooked supported by the basket dispensing module; wherein the movement of the basket dispensing module along the basket actuation module moves the basket between a standby position where the basket is located over the cooking vat, and a cooking position where the basket is located within the cooking vat, and wherein the basket is rotatably supported on the basket dispensing module and can be rotated between at least a pre-flip position for draining excess cooking liquid, and a flipped position for emptying cooked food contents from the basket.

[Continued on next page]

WO 2025/216708 A1

GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *of inventorship (Rule 4.17(iv))*

Published:

- *with international search report (Art. 21(3))*