

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
30 December 2021 (30.12.2021)



(10) International Publication Number
WO 2021/259549 A1

(51) International Patent Classification:

A47J 31/42 (2006.01) A47J 42/50 (2006.01)
A47J 42/44 (2006.01) A47J 43/07 (2006.01)

(21) International Application Number:

PCT/EP2021/062386

(22) International Filing Date:

11 May 2021 (11.05.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

20181371.4 22 June 2020 (22.06.2020) EP

(71) Applicant: SOCIETE DES PRODUITS NESTLE S.A.
[CH/CH]; Avenue Nestlé 55, 1800 Vevey (CH).

(72) Inventor: AIT, BOUZIAD, Youcef; Chemin de l'Eglise 1
bis, 1026 Echandens (CH).

(74) Agent: NAVARRO FERNANDEZ, Maria Isabel;
SOCIETE DES PRODUITS NESTLE S.A., Avenue Nestlé
55, 1800 VEVEY (CH).

(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, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN,
KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD,
ME, MG, MK, MN, 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, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, 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, 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))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

(54) Title: SYSTEM FOR DISPENSING GROUND COFFEE

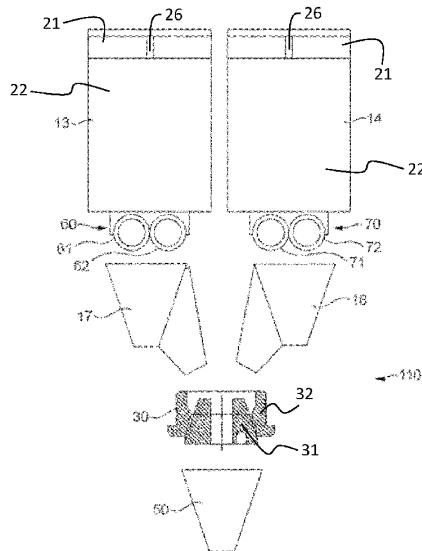


FIG. 3

(57) Abstract: The invention relates to a system (no) for dispensing ground coffee, in particular for preparing a coffee beverage. The system (no) comprises: one or more receptacles (13, 14) for storing one or different types of roasted coffee beans, one or more dosing devices (60, 70) for dispensing coffee beans, which are stored in the one or more receptacles (13, 14), and a grinder (30) for receiving coffee beans, which are dispensed by the one or more dosing devices (60, 70), in order to grind said coffee beans and subsequently dispense the so ground coffee beans, the grinder (30) being configured to move into different grinding positions for different grinding degrees, respectively. The one or more dosing devices (60, 70) are arranged between the one or more receptacles (13, 14) and the grinder (30) such that the one or more dosing devices (60, 70) can act as one or more retaining elements for retaining coffee beans inside of the one or more receptacles (13, 14). The system (110) further comprises a control unit (91) for controlling the one or more dosing devices (60, 70) and the grinder (30), wherein the control unit (91) is configured to control one or more of the one or more dosing devices (60, 70) so that a specific amount of coffee beans is dispensed to the grinder (30), and to control the grinder (30) so that the grinder (30) grinds said specific amount of coffee beans and, thus, dispenses the so ground coffee beans until the grinder (30) is free from coffee beans so that the grinder (30) can subsequently be moved in one of the different grinding positions.

WO 2021/259549 A1

[Continued on next page]

Published:

— with international search report (Art. 21(3))