

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

(19) World Intellectual Property  
Organization  
International Bureau

(43) International Publication Date  
27 January 2022 (27.01.2022)



(10) International Publication Number  
**WO 2022/017718 A1**

(51) International Patent Classification:

A23F 5/04 (2006.01) A47J 31/42 (2006.01)  
A23N 12/08 (2006.01)

(21) International Application Number:

PCT/EP2021/067310

(22) International Filing Date:

24 June 2021 (24.06.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

20187611.7 24 July 2020 (24.07.2020) EP

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

(72) Inventor: SAVIOZ, Grégory; Ch. du Béton 11, 1966 Sax-  
onne (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))

Published:

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

(54) Title: APPARATUS AND PROCESS FOR ROASTING AND DISCHARGING COFFEE BEANS

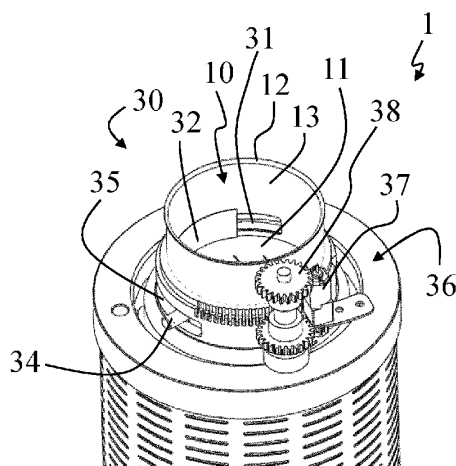


Fig. 8

(57) Abstract: The invention relates to an apparatus (1) for more convenient roasting of coffee. The apparatus (1) in particular facilitates an improved means for discharging or ejecting the so roasted coffee beans from the apparatus (1). The apparatus (1), which may be a home appliance apparatus, comprises a chamber (10) in which coffee beans can be received for roasting. The apparatus (1) further comprises a device for generating a current of air in order to agitate the coffee beans received by the chamber (10). The chamber (10) is delimited by a bottom (11), a top (12), and a side wall (13) extending from the bottom (11) to the top (12), wherein the side wall (13) comprises a discharge port (30), which is selectively moveable between a closed position and an open position, such that the current of air generated by the device can drive the coffee beans through the discharge port (30) to be discharged from the chamber (10), when the discharge port (30) is in the open position.