

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
31 January 2008 (31.01.2008)

PCT

(10) International Publication Number
WO 2008/012203 A1

(51) International Patent Classification:
A47J 31/40 (2006.01) A23F 5/08 (2006.01)

(74) Agent: BORNE, Patrice; Ave Nestlé 55, CH-1800 Vevey (CH).

(21) International Application Number:
PCT/EP2007/057072

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

(22) International Filing Date: 11 July 2007 (11.07.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
06015331.9 24 July 2006 (24.07.2006) EP

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for all designated States except US): NESTEC S.A. [CH/CH]; Avenue Nestlé 55, CH-1800 Vevey (CH).

(72) Inventors; and

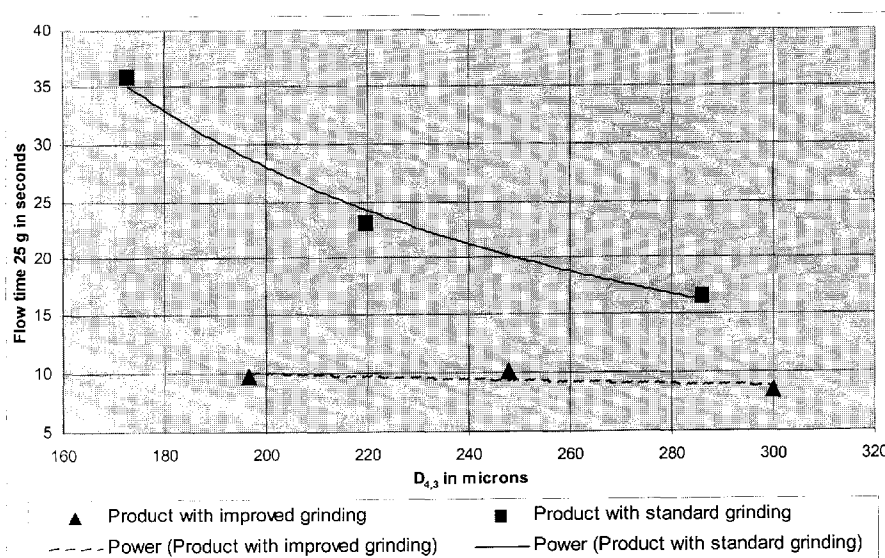
(75) Inventors/Applicants (for US only): OHRESSER, Sylvia [DE/CH]; Rue du Grand Pont 7, CH-1350 Orbe (CH). EICHLER, Paul [DE/CH]; Chemin du Riolet 22, CH-1009 Pully (CH). KOCH, Peter [CH/CH]; Chemin des Vaux 6, CH-1350 Orbe (CH). RAETZ, Ernest [CH/CH]; Finderrière 4, CH-1357 Lignerolle (CH).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: METHOD FOR DELIVERING FASTER A SHORT COFFEE EXTRACT FROM CAPSULE



(57) Abstract: Method for delivering a short coffee extract faster from a closed capsule containing ground coffee by injecting water under pressure within the capsule. The capsule is filled with ground coffee, has a delivery membrane and is extracted in a coffee extraction device and pressurized water is injected in the capsule under pressure. The coffee beverage is released through the beverage delivery membrane of the capsule with engaging means engaging in and/or against the membrane. The pressure loss is reduced in the coffee bed by providing ground coffee having a reduced percentage of fines (F) depending on the average particle size ($D_{4,3}$). The extraction yield is maintained between 15 and 30% and the coffee extract of 25 or 40 grams is delivered in a flow time of 20 seconds or less.

WO 2008/012203 A1



- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- with international search report