



(51) International Patent Classification:
A47J 31/06 (2006.01)

(21) International Application Number:
PCT/EP2011/061029

(22) International Filing Date:
30 June 2011 (30.06.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10168128.6 1 July 2010 (01.07.2010) EP

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

(72) Inventors; and

(75) Inventors/Applicants (for US only): DENISART, Jean-Luc [CH/CH]; Ch. du Vigny 2, CH-1096 Cully (CH). DOGAN, Nihan [TR/CH]; Route des Monts-de-Lavaux 460, CH-1090 La Croix-sur-Lutry (CH). DOLEAC, Frédéric [FR/FR]; 5 Rue du Pré Jean, F-25160 Vaux et Chantegrue (FR). HENTZEL, Stéphane [FR/CH]; Route de Rovray, 33, CH-1462 Yvonand (CH). RAEDERER, Marc [DE/CH]; Ch. de Bellevue 17, CH-1052 Le Mont-sur-Lausanne (CH).

(74) Common Representative: NESTEC S.A.; Av. Nestlé 55, Attn. Samuel ODET, CH-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, BR, BW, BY, BZ, CA, CH, CL, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, 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: A DEVICE FOR ADAPTING A FOOD CAPSULE INTO A CAPSULE HOLDER

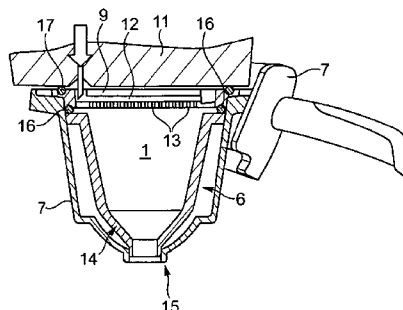


FIG. 3B

(57) Abstract: The present invention concerns an adapting device (6) for adapting a capsule (100) into the capsule holder (7) of a food machine when said capsule or pod (100) is smaller than capsules or pods originally designed for insertion into said capsule holder, said machine comprising a fluid injection element (11) for circulating a fluid through the capsule to a discharge opening, said capsule comprising a body enclosing a food ingredient to be dissolved and/or extracted so as to produce a food product, and further comprising circumferential edges (4, 22), said device comprising: - a holding portion for holding at least a portion of said capsule, and sealing means (16, 17, 32) for circumferentially adapting to the capsule holder and/or to the fluid injection element, and/or to the capsule outside surface, in a leak-tight manner so that the fluid flow is directed solely from the fluid injection element (11) through the capsule, to a discharge opening.

