

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 November 2007 (15.11.2007)

PCT

(10) International Publication Number
WO 2007/129204 A3

(51) International Patent Classification:

A47J 31/40 (2006.01) F16L 37/26 (2006.01)

(21) International Application Number:

PCT/IB2007/001173

(22) International Filing Date: 7 May 2007 (07.05.2007)

(25) Filing Language: Italian

(26) Publication Language: English

(30) Priority Data:

TO2006A000330 5 May 2006 (05.05.2006) IT

(71) Applicant (for all designated States except US): **SGL ITALIA S.R.L.** [IT/IT]; Strada San Mauro, 25, I-10156 Torino (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **CORTESE, Virginio** [IT/IT]; Via Rubens Fattorelli, 31, I-10100 Torino (IT).

(74) Agents: **JORIO, Paolo** et al.; c/o Studio Torta S.r.l., Via Viotti, 9, I-10121 Torino (IT).

(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, 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, 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.

(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).

Published:

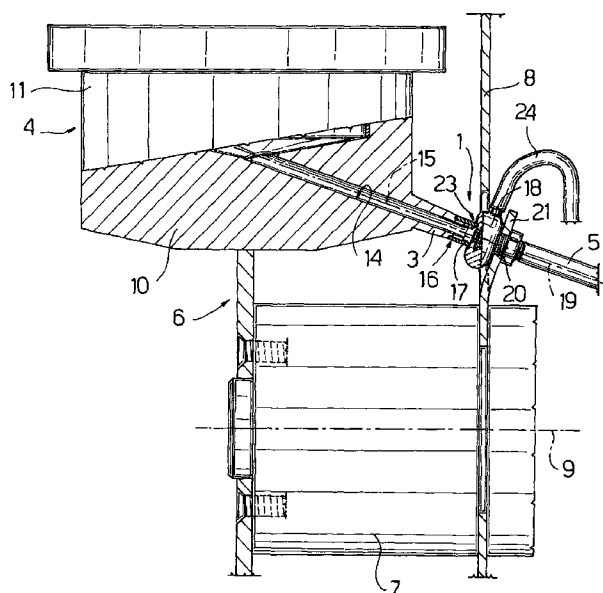
— with international search report

(88) Date of publication of the international search report:

17 January 2008

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.

(54) Title: HYDRAULIC FITTING FOR DRAINING A BEVERAGE FROM A PERCOLATING CUP OF A COFFEE MACHINE



(57) Abstract: A hydraulic fitting (1) for fluidtight connecting a first drain conduit (3) of a percolating cup (4), movable along a path, of a coffee machine (2) to a fixed second conduit (5) for receiving a beverage from the first conduit (3); the fitting (1) being defined by a first and second tubular member (16, 18), at least one of which is made of elastically deformable material, and which respectively define an outlet portion of the first conduit (3) and an inlet portion of the second conduit (5); the second tubular member (18) being funnel-shaped, and the first tubular member (16) clicking releasably and in fluidtight manner inside the second tubular member as the percolating cup (4) reaches a percolating position along the path.



WO 2007/129204 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2007/001173

A. CLASSIFICATION OF SUBJECT MATTER
INV. A47J31/40 F16L37/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A47J F16L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 495 580 C (SIEMENS AG) 9 April 1930 (1930-04-09) the whole document	1-8
A	----- WO 2006/005755 A (SGL ITALIA S R L [IT]; CORTESE VIRGINIO [IT]) 19 January 2006 (2006-01-19) page 3, line 20 - page 5, line 23; figures 1,2 -----	8



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

17 October 2007

Date of mailing of the international search report

25/10/2007

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lehe, Jörn

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2007/001173

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 495580	C	09-04-1930	NONE	
WO 2006005755	A	19-01-2006	EP 1786301 A1	23-05-2007