



- (51) **International Patent Classification:**
A47J 31/10 (2006.01) A47J 31/24 (2006.01)
- (21) **International Application Number:**
PCT/IB2014/062589
- (22) **International Filing Date:**
25 June 2014 (25.06.2014)
- (25) **Filing Language:** Italian
- (26) **Publication Language:** English
- (30) **Priority Data:**
PN2013A000035 26 June 2013 (26.06.2013) IT
- (71) **Applicant: OSMAP ASIA PACIFIC PTE. LTD.**
[SG/SG]; 7 Temasek Boulevard, The Penthouse, #44-01
Suntec Tower One, Singapore 038987 (SG).
- (72) **Inventors: OSTAN, Adriano;** 20 Newton Road, Singa-
pore 307953 (SG). **FANTIN, Michele;** Via San Michele
20, I-33070 Brugnera (PN) (IT). **OSTAN, Ivan;** 20 New-
ton Road, Singapore 307953 (SG).
- (74) **Agents: GONELLA, Mario et al.;** PROPRIA S.r.l., Via
della Colonna, 35, I-33170 Pordenone (IT).
- (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, DK, DM,

DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
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, RW, SD, SL, 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).

Published:

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

- (88) **Date of publication of the international search report:**
21 May 2015

(15) Information about Correction:**Previous Correction:**

see Notice of 2 April 2015

- (54) **Title:** IMPROVED APPARATUS FOR THE PREPARATION OF ONE OR A PLURALITY OF BEVERAGES

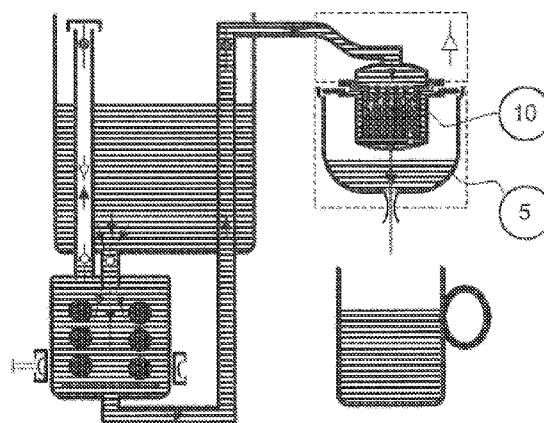


Fig. 10a

- (57) **Abstract:** Multi-function apparatus for the preparation of hot beverages, comprising a water reservoir (2), a boiler (3) arranged under said reservoir and connected to the inside of the reservoir by a first conduit (9), a water heating resistance (4) arranged in the boiler, an infusion chamber (5) with a respective cover (21) and a filtering element (7) for a definite quantity of product to be subjected to infusion, and suitable, in one alternative, for the preparation of a single dose of beverage through the pressure infusion method (espresso coffee), or in another alternative, for the preparation of a beverage in multiple doses using a filter and by the percolation (drip) method through a filter. The apparatus includes an accessory (10), suitable to contain a quantity of product for a single dose of beverage, housed within said infusion chamber in place of said filter, and in which the upper opening of said accessory is suitable to be closed by the lower surface of said cover when it closes the infusion chamber. There are also provided means of electrical power supply suitable to operate said heating resistance with modes consistent with the type and quantity of beverages to prepare.

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2014/062589

A. CLASSIFICATION OF SUBJECT MATTER
INV. A47J31/10 A47J31/24
ADD.

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

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 practicable, 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	WO 2013/079814 A1 (FRYDMAN ALAIN [FR]; FRYDMAN PHILIPPE [FR]; BACCOUCHE MOHAMED [FR]) 6 June 2013 (2013-06-06) page 9, line 9 - page 21, line 7; figures 1-10	1-15
A	----- US 2013/004629 A1 (CLARK CHARLES H [US] ET AL) 3 January 2013 (2013-01-03) cited in the application paragraph [0020] - paragraph [0038]; figures 1-12	1-15
A	----- WO 2012/001115 A1 (NESTEC SA [CH]; DENISART JEAN-LUC [CH]; DOGAN NIHAN [CH]; DOLEAC FREDE) 5 January 2012 (2012-01-05) cited in the application page 9, line 32 - page 13, line 30; figures 1-10	1-15
	----- -/-	



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 application or patent 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

3 February 2015

Date of mailing of the international search report

25/02/2015

Name and mailing address of the ISA/

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

Authorized officer

Klintebäck, Daniel

INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2014/062589

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007/034085 A1 (WANG DONG-LEI [CN]) 15 February 2007 (2007-02-15) paragraph [0027] - paragraph [0036]; figures 1-6 -----	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2014/062589

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2013079814 A1	06-06-2013	EP 2785223 A1	08-10-2014
		WO 2013079814 A1	06-06-2013

US 2013004629 A1	03-01-2013	US 2013004629 A1	03-01-2013
		WO 2011115925 A1	22-09-2011

WO 2012001115 A1	05-01-2012	AR 082069 A1	07-11-2012
		AU 2011273463 A1	10-01-2013
		CA 2803218 A1	05-01-2012
		CL 2012003695 A1	10-05-2013
		CN 102958405 A	06-03-2013
		EP 2401945 A1	04-01-2012
		EP 2587971 A1	08-05-2013
		JP 2013533034 A	22-08-2013
		KR 20130129355 A	28-11-2013
		RU 2013104188 A	10-08-2014
		SG 186171 A1	30-01-2013
		US 2013133522 A1	30-05-2013
		WO 2012001115 A1	05-01-2012

US 2007034085 A1	15-02-2007	CA 2527456 A1	15-02-2007
		CN 2920114 Y	11-07-2007
		US 2007034085 A1	15-02-2007
