

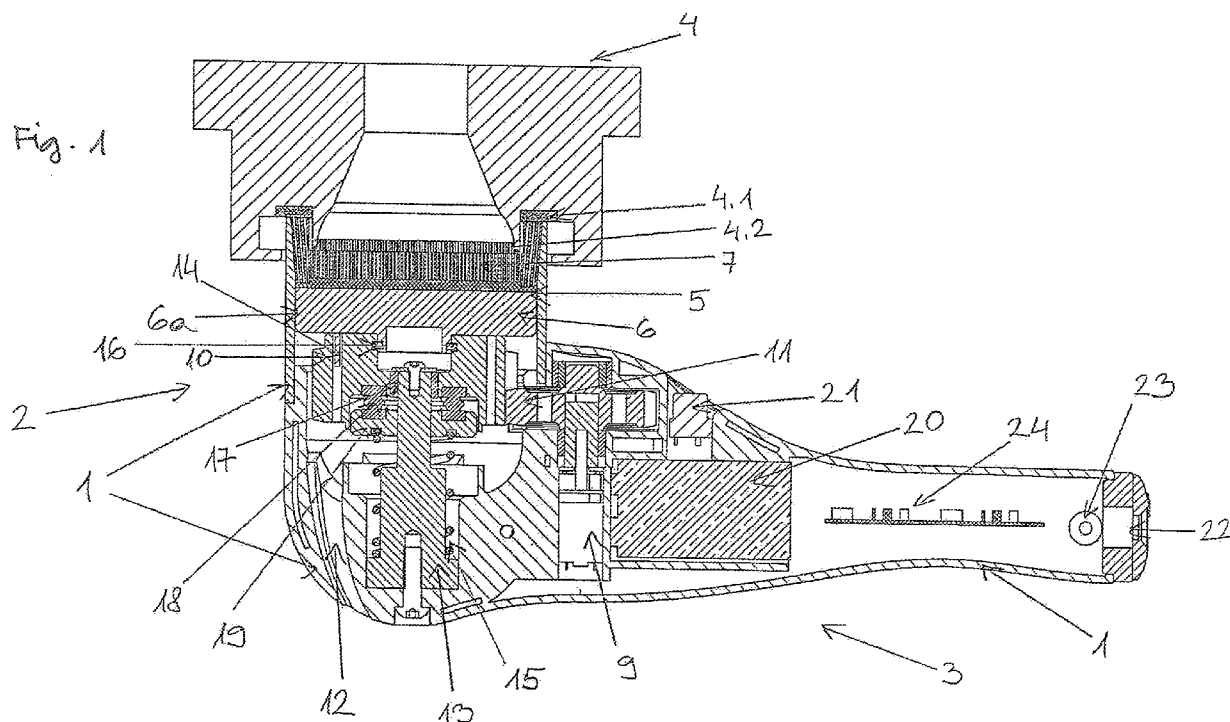
(51) International Patent Classification:
A47J 31/60 (2006.01)(21) International Application Number:
PCT/SI2018/050032(22) International Filing Date:
02 October 2018 (02.10.2018)

(25) Filing Language: Slovenian

(26) Publication Language: English

(30) Priority Data:
P-201700276 13 October 2017 (13.10.2017) SI(71) Applicant: CAFELIER D.O.O. [SI/SI]; Kasaze 31, 3301
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(SI).(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, 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, 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, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,

(54) Title: FILTER CLEANER FOR COFFEE MACHINE FILTERS



(57) **Abstract:** The filter cleaner for coffee machine filters fits on all standard coffee machines and is shaped like a standard portafilter. It consists of a head (2) and a handle (3), which are in the housing (1). The head (2) includes an axle (13) onto which a brush (5) is mounted with specially shaped bristles (7), which ensure that the bristles (7) are in contact with the filter and all the surfaces of the filter, which need to be cleaned are reached. An electric motor (9) and a battery (20) to power an electric motor are provided in the handle. When the filter cleaner is turned on, the brush with bristles starts to rotate, with the bristles reaching all the key surfaces of the filter and cleaning them thoroughly. At the same time, when the filter cleaner is turned on, a button is pressed on the coffee machine so that hot water flows through the filter, which rinses the impurities the brush cleaned from the filter, through the drainage channel.



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))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*

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

23 May 2019 (23.05.2019)

INTERNATIONAL SEARCH REPORT

International application No
PCT/SI2018/050032

A. CLASSIFICATION OF SUBJECT MATTER
INV. A47J31/60
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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 20 2015 009028 U1 (SENGER ALEXANDER [CH]) 13 March 2017 (2017-03-13)	1-6
Y	paragraphs [0001], [0016] - [0033],	2-6
A	[0089] - [0100], [0102], [0103]; figures 1-7	7-12
Y	----- IT 1 235 949 B (COMELLINI MARCO) 9 December 1992 (1992-12-09)	2-6
A	claim 1; figures 1,2	1,7-12
X	----- WO 2012/107246 A1 (MAZZEO PIETRO [IT]) 16 August 2012 (2012-08-16)	1
Y	page 1, lines 4-8; figures 1-4	2-6
A	page 4, line 18 - page 5, line 8	7-12



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Date of the actual completion of the international search

18 March 2019

Date of mailing of the international search report

08/04/2019

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/SI2018/050032

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 202015009028 U1	13-03-2017	DE 102016211375 A1 DE 202015009028 U1	14-06-2017 13-03-2017
IT 1235949	B	09-12-1992	NONE
WO 2012107246	A1	16-08-2012	IT 1403560 B1 WO 2012107246 A1
			31-10-2013 16-08-2012