



(11) **EP 1 387 129 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
09.05.2007 Bulletin 2007/19

(51) Int Cl.:
F24J 3/00 (2006.01)

(43) Date of publication A2:
04.02.2004 Bulletin 2004/06

(21) Application number: **03017748.9**

(22) Date of filing: **04.08.2003**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR**
Designated Extension States:
AL LT LV MK

(71) Applicant: **Kolesnikova, Natalia**
31010-One'di Fonte (IT)

(72) Inventor: **Kolesnikova, Natalia**
31010-One'di Fonte (IT)

(30) Priority: **02.08.2002 IT VE20020026**

(74) Representative: **Piovesana, Paolo**
Via F. Baracca, 5/a
30173 Venezia-Mestre (IT)

(54) **Boiler for heating water with heat generator**

(57) A boiler for heating water for hygienic and sanitary use characterised by comprising a cavitation heat generator (8) immersed in a water tank (2, 22) feeding hygienic and/or sanitary services (4, 6; 18, 20; 26, 28), said heat generator being fed with water circulating within a closed circuit provided with a pump (16).

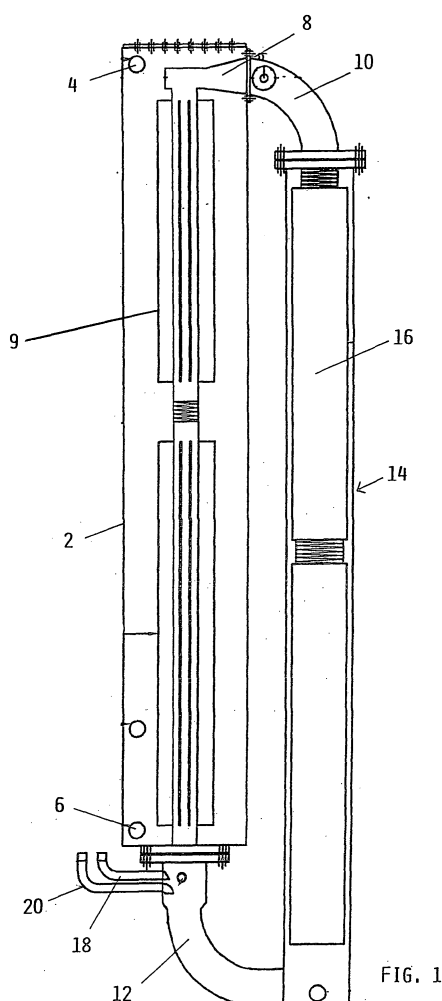


FIG. 1

EP 1 387 129 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 01 7748

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 98/51974 A (OSZAUL ALEKSZANDER IVANOVICS [UA]; OSZAUL PAVLO ALEKSZANDROVICS [UA];) 19 November 1998 (1998-11-19)	1,2,5,7	INV. F24J3/00
Y	* page 14, line 12 - line 26; figures * -----	8,9	
D,Y	RU 2 160 417 C2 (PETRAKOV ALEKSANDR DMITRIEVICH; MASPANOV GENNADIJ PAVLOVICH) 10 December 2000 (2000-12-10) * abstract *	8,9	
X	RU 2 045 715 C1 (POTAPOV YURIJ S [RU]) 10 October 1995 (1995-10-10) * figures * & DATABASE WPI Derwent Publications Ltd., London, GB; AN 199624 * abstract *	1	
A	FR 2 500 135 A (LOIZEAU PIERRE [FR]) 20 August 1982 (1982-08-20) * the whole document *	1-9	TECHNICAL FIELDS SEARCHED (IPC)
A	FR 2 414 700 A (FRANCESCHETTO SEVERINO [FR]) 10 August 1979 (1979-08-10) * claim 1; figures *	1	F24J
A	US 5 239 948 A (SAJEWSKI RONALD [US]) 31 August 1993 (1993-08-31) * column 3, line 26 - line 41; figures * -----	1	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 3 April 2007	Examiner Mootz, Frank
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

1
EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 01 7748

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

03-04-2007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9851974	A	19-11-1998	HU 9700862 A2	28-10-1998
RU 2160417	C2	10-12-2000	NONE	
RU 2045715	C1	10-10-1995	NONE	
FR 2500135	A	20-08-1982	NONE	
FR 2414700	A	10-08-1979	NONE	
US 5239948	A	31-08-1993	NONE	

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82