

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 1 271 068 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
12.11.2003 Bulletin 2003/46

(51) Int Cl.7: **F24H 1/52**

(43) Date of publication A2:
02.01.2003 Bulletin 2003/01

(21) Application number: **02388042.0**

(22) Date of filing: **19.06.2002**

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

(72) Inventor: **Faurschou Jens**
8660 Skanderborg (DK)

(74) Representative: **Larsen, Hans Ole et al**
Larsen & Birkeholm A/S,
Banegaardspladsen 1,
P.O. Box 362
1570 Copenhagen V (DK)

(30) Priority: **28.06.2001 DK 200101012**
18.03.2002 DK 200200419

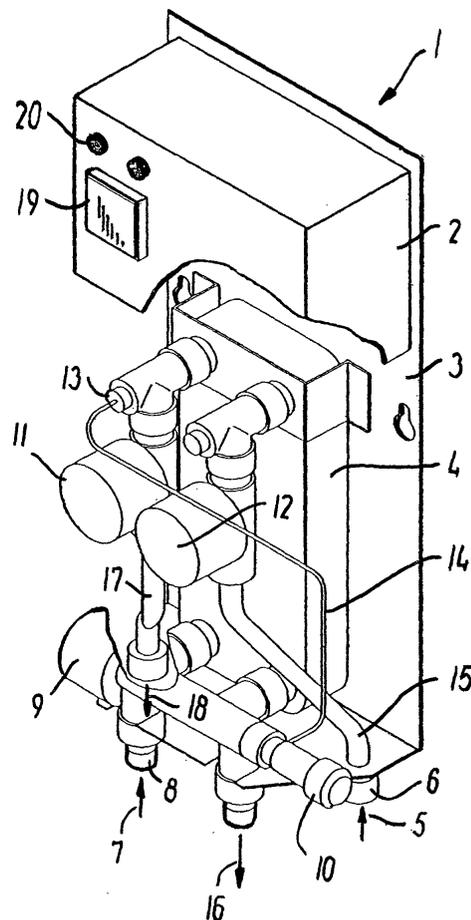
(71) Applicant: **ApsH af 1.maj 2000 ApS**
8240 Risskov (DK)

(54) **A method of heating domestic water in a water heater**

(57) In order to tap bacteria-free hot domestic water at a tapping point, such as a wash basin, shower and similar point of use, in a simple manner, use is made of a method according to the invention which incorporates a heat exchanger (4), from whose secondary side the hot domestic water (18) is tapped directly and without being mixed with domestic water already heated.

The risk of bacteria, including the feared legionella bacteria, is eliminated hereby, since no hot water is left between the tappings, as the heating takes place only in connection with the tapping.

The heat exchanger (4) may be included in a water heater (1) which may be installed directly at the tapping point, thereby making the installation very compact and direct such that a high water rate and a low consumption of energy are ensured.



EP 1 271 068 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 38 8042

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	DE 199 60 527 C (SAMSON AG) 31 May 2001 (2001-05-31) * column 1, line 1 - line 12 * * column 3, line 37 - column 4, line 65 * * figure 1 *	1-4	F24H1/52
X	DE 196 33 930 A (KERMI GMBH) 26 February 1998 (1998-02-26) * column 1, line 1 - line 7 * * column 2, line 31 - line 37 * * column 9, line 23 - line 29 * * column 4, line 3 - line 35 * * figure 4 *	1-3,5	
X	DE 15 79 927 A (JUNKERS & CO) 24 September 1970 (1970-09-24) * page 5, paragraph 4 - page 7, paragraph 2; figure *	1-4	
A	US 4 256 258 A (SEKIYA GEORGE W) 17 March 1981 (1981-03-17) * the whole document *	5	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			F24H F24D E04C
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
MUNICH		18 September 2003	Arndt, M
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	

EPO FORM 1503 03/82 (P04/C01)

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

EP 02 38 8042

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.

18-09-2003

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 19960527 C	31-05-2001	DE 19960527 C1	31-05-2001
DE 19633930 A	26-02-1998	DE 19633930 A1	26-02-1998
		CZ 9900577 A3	11-08-1999
		DE 29724143 U1	13-04-2000
		WO 9808029 A1	26-02-1998
		EP 0920596 A1	09-06-1999
		SK 18999 A3	14-02-2000
DE 1579927 A	24-09-1970	AT 263284 B	10-07-1968
		BE 699077 A	03-11-1967
		DE 1579927 A1	24-09-1970
		GB 1187601 A	08-04-1970
US 4256258 A	17-03-1981	CA 1147425 A1	31-05-1983