

(19)



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(11)

EP 1 167 891 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
30.01.2002 Bulletin 2002/05

(51) Int Cl.7: **F24H 3/08, F24H 9/06**

(43) Date of publication A2:
02.01.2002 Bulletin 2002/01

(21) Application number: **01114949.9**

(22) Date of filing: **20.06.2001**

(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

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(30) Priority: **30.06.2000 IT VR000030 U**

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(54) **Hanging hot air generator provided with outer combustion means**

(57) The present heating plant is particularly fit to be installed in difficult places, namely, places where the performed activities involve a high risk of fire or places where there is a considerable passing of public, for instance car workshops, coach-building workshops, churches, joiner's shops, sporting clubs, entertainment circles, commercial structures, painting workshops and so on.

In general, the heating system or hot air generating plant according to the present invention comprises both an outer unit (1) and an inner unit (2), the former being the heat generating unit while the latter being the heat distributing unit of the present plant.

The outer unit (1) is provided with all those components that allow a heat generation for the hydraulic distributing plant.

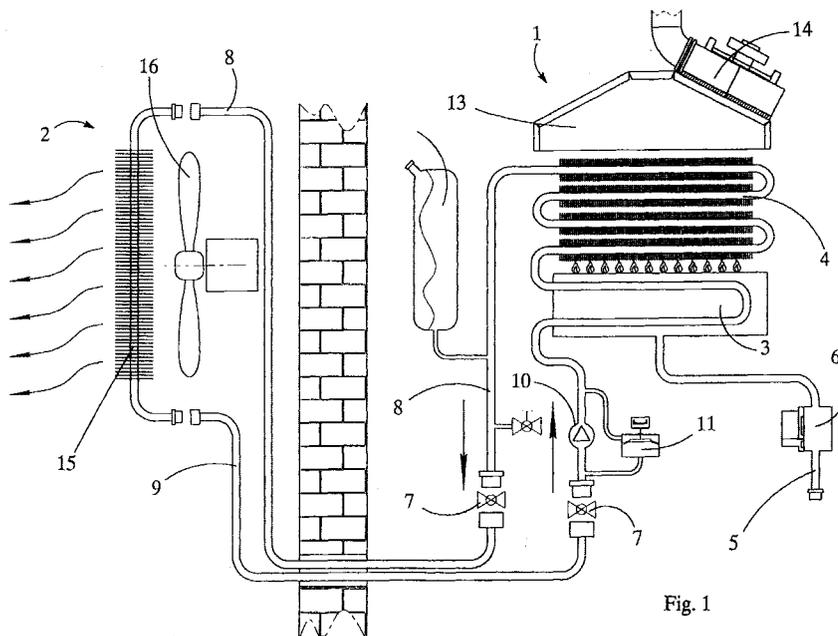


Fig. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 01 11 4949

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	US 3 140 824 A (MOORE EVERETT W) 14 July 1964 (1964-07-14) * the whole document *	1-5	F24H3/08 F24H9/06
X	US 5 038 750 A (RIPKA CHESTER D ET AL) 13 August 1991 (1991-08-13) * abstract *	1,2	
A	US 4 310 746 A (ELKERN KENNETH E ET AL) 12 January 1982 (1982-01-12) * figures *	1-5	
X	FR 2 292 196 A (BOUVIER DANIEL) 18 June 1976 (1976-06-18) * figure 2 *	1	
A	EP 0 770 834 A (MERLONI TERMOSANITARI SPA) 2 May 1997 (1997-05-02) * abstract *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			F24H
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		10 December 2001	Van Gestel, H
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 (PO4C01)

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

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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
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10-12-2001

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3140824	A	14-07-1964	NONE	
US 5038750	A	13-08-1991	NONE	
US 4310746	A	12-01-1982	NONE	
FR 2292196	A	18-06-1976	FR 2292196 A1	18-06-1976
EP 0770834	A	02-05-1997	IT RM950232 U1 EP 0770834 A1	28-04-1997 02-05-1997