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(54) **Modular electric radiator**

(57) It comprises at least two profiles (1, 1'), preferably of aluminium, provided with parallel heat dissipating fins (2, 2', 2''), which are assembled to each other by means of engagement (3). The profiles (1, 1') have at least one housing (5) defined between the heat dissipating fins (2, 2', 2'') for insertion of at least one electric heating plate (4, 4'). The heating plates (4, 4') comprise means of heating mounted inside an external enclosure (11, 11') which consists of an elastically compressible closed symmetrical profile of slightly greater width than the width of the housing (5) for the press-fitting thereof in said housing (5).

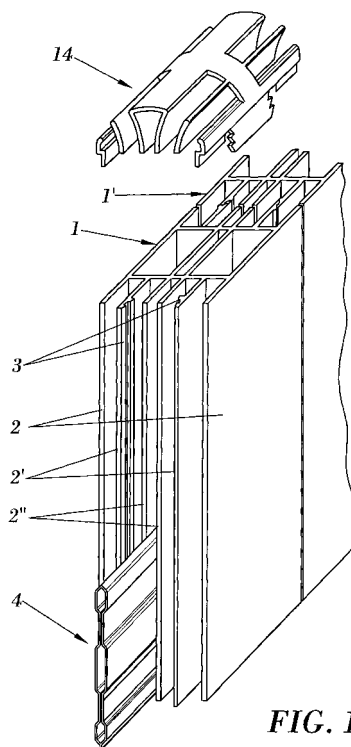


FIG. 1

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EUROPEAN SEARCH REPORT

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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	US 6 205 290 B1 (HUNG CHIN-PING ET AL) 20 March 2001 (2001-03-20) * the whole document *	1-10	INV. F28F9/26
A	GB 1 519 036 A (PROMOTHERMO VERWARMINGSTOEPASSING BV) 26 July 1978 (1978-07-26) * the whole document *	1	
A	US 2 170 176 A (WIEGAND EDWIN L) 22 August 1939 (1939-08-22) * the whole document *	1	
A	US 2 646 972 A (SCHMID EDWARD C) 28 July 1953 (1953-07-28) * the whole document *	1	
A	US 3 031 171 A (BUTTNER CARL MARTIN) 24 April 1962 (1962-04-24) * the whole document *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			F28F F24H H05B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 25 July 2006	Examiner Garcia, J
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			

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

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The members are as contained in the European Patent Office EDP file on
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25-07-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6205290	B1	20-03-2001	CA 2285836 A1 13-04-2001
			FR 2800561 A3 04-05-2001
			GB 2357574 A 27-06-2001
			NL 1013578 C2 16-05-2001
			SE 9903767 A 20-04-2001

GB 1519036	A	26-07-1978	CH 570748 A5 15-12-1975
			DE 2545800 A1 22-04-1976
			ES 441529 A1 01-04-1977
			FR 2288441 A1 14-05-1976
			IT 1047377 B 10-09-1980
			NL 7416769 A 21-04-1976

US 2170176	A	22-08-1939	NONE

US 2646972	A	28-07-1953	NONE

US 3031171	A	24-04-1962	NONE
