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(54) **Composite radiator construction**

(57) A composite radiator construction (1) comprises a heating radiator body (2) coupled to a sheet metal covering assembly (3) by a top latching system (10) and a bottom clamping system (12).

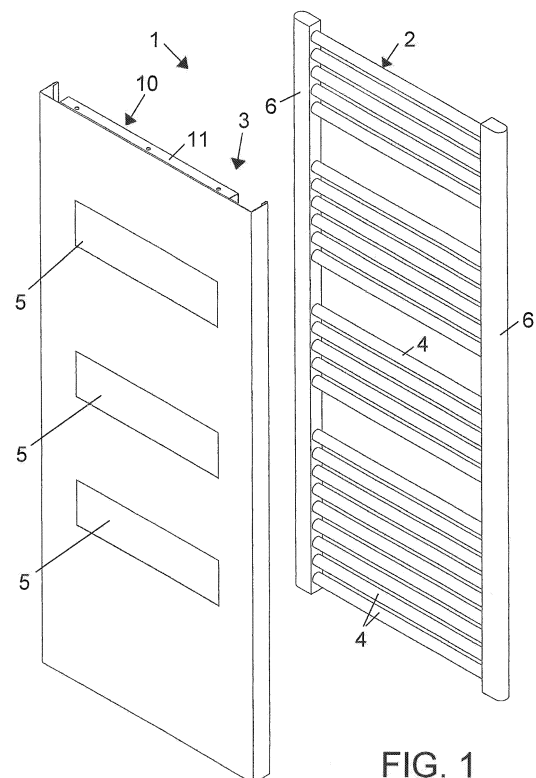


FIG. 1

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EUROPEAN SEARCH REPORT

 Application Number
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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	FR 2 878 024 A1 (KALORI SOC PAR ACTIONS SIMPLIF [FR]) 19 May 2006 (2006-05-19)	1,2,4,7,8	INV. F28D1/053
Y	* page 5, line 32 - line 36; figure 1 * * page 7, line 10 - line 16; figures 1-3 * * page 6, line 20 - line 32; figures 1,5 * -----	5,6	F28F1/22 F28D1/02 F28D21/00
X	WO 2011/033138 A1 (PEDRO SANZ CLIMA S L [ES]; SANZ CORONADO PEDRO [ES]) 24 March 2011 (2011-03-24) * abstract; figure 4 * * page 16, line 6 - line 8; figure 4 * * page 7, line 32 - line 33 * -----	1,3	
Y	EP 0 930 469 A2 (KAELBERER STEFAN [DE]) 21 July 1999 (1999-07-21) * paragraph [0014]; figure 1 * -----	5,6	
			TECHNICAL FIELDS SEARCHED (IPC)
			F28D F28F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 10 July 2014	Examiner Mendão, João
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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10-07-2014

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR 2878024 A1	19-05-2006	DE 102005019578 A1	24-05-2006
		FR 2878024 A1	19-05-2006
-----	-----	-----	-----
WO 2011033138 A1	24-03-2011	ES 2381236 A1	24-05-2012
		WO 2011033138 A1	24-03-2011
-----	-----	-----	-----
EP 0930469 A2	21-07-1999	EP 0930469 A2	21-07-1999
		EP 0930470 A2	21-07-1999
-----	-----	-----	-----

EPO FORM P0459

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