

Title (en)  
Heating element for heaters

Title (de)  
Heizelement für einen Heizkörper

Title (fr)  
Élément chauffant pour chauffage

Publication  
**EP 1717537 A1 20061102 (EN)**

Application  
**EP 06111634 A 20060323**

Priority  
IT PD20050028 U 20050413

Abstract (en)  
A heating element for heaters, of the modular type, comprising at least one radiating module (11, 111), which is constituted by a metallic plate (12, 112) within which, along its planar dimension, there are a plurality of parallel ducts (13, 113) which are open at their ends (14, 114), and at least two manifold modules (15, 115), which are fixed to the plate (12, 112) respectively on opposite sides at the opposite end openings (14, 114) of the ducts (13, 113). The plate (12, 112) that composes the radiating module (11, 111) and the manifold modules (15, 115) are each constituted by a single piece of extruded aluminum.

IPC 8 full level  
**F28F 3/12** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)  
**F28D 1/0246** (2013.01); **F28F 9/0209** (2013.01); **F24D 2220/2054** (2013.01); **F28F 2255/16** (2013.01)

Citation (applicant)  
IT PD20050028 A 20050208

Citation (search report)  
• [XA] EP 0908693 A2 19990414 - ALUSUISSE LONZA SERVICES AG [CH]  
• [X] CH 532238 A 19721231 - LIEBERHERR KURT [CH]  
• [A] FR 2134147 A1 19721208 - IDEAL STANDARD  
• [A] US 4349001 A 19820914 - WAGNER WILLIAM R  
• [A] JP S63306397 A 19881214 - AU AG & CO  
• [A] EP 1030157 A1 20000823 - ZEXEL CORP [JP]

Cited by  
NL2016820B1; WO2010096355A3

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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DOCDB simple family (publication)  
**EP 1717537 A1 20061102; EP 1717537 A8 20070328; EP 1717537 B1 20170405; IT PD20050028 U1 20061014**

DOCDB simple family (application)  
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