

Title (en)
A RADIATOR

Title (de)
HEIZKÖRPER

Title (fr)
RADIATEUR

Publication
EP 1155274 A1 20011121 (EN)

Application
EP 00903942 A 20000214

Priority
• IE 0000022 W 20000214
• IE 990105 A 19990212

Abstract (en)
[origin: WO0047940A1] A fluid-filled radiator is manufactured from a plurality of relatively shallow tubular panel elements (61 to 64) by arranging the panel elements edge to edge and inserting at least one reinforcing member (20) into each end of each panel element, the reinforcing members fitting closely between the opposite major surfaces of the panel elements. A plurality of individual bridging members (90) are resistance welded to each end of each adjacent pair of panel elements, each bridging member extending from a major surface of one panel element to a major surface of the adjacent panel element. The reinforcing members (90) prevent the collapse of the panel elements under the pressure of the resistance welding.

IPC 1-7
F28F 9/26; **F28D 1/053**; **B23K 11/14**

IPC 8 full level
B23K 11/14 (2006.01); **F24D 19/02** (2006.01); **F28D 1/053** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP)
B23K 11/14 (2013.01); **F28D 1/05375** (2013.01); **F28F 9/268** (2013.01); **F28F 2225/04** (2013.01); **F28F 2275/06** (2013.01)

Citation (search report)
See references of WO 0047940A1

Citation (third parties)
Third party :
• DD 149823 A1 19810729 - KOLBASKE ROLF
• DE 3403488 C2 19861120
• FR 1255612 A 19610310
• DE 3316538 A1 19831117 - GOUDA HOLLAND BV [NL]
• FR 2596858 A1 19871009 - VALEO [FR]

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0047940 A1 20000817; AU 2569100 A 20000829; EP 1155274 A1 20011121; IE 20000094 A1 20001018; IE S20000093 A2 20001018

DOCDB simple family (application)
IE 0000022 W 20000214; AU 2569100 A 20000214; EP 00903942 A 20000214; IE 20000094 A 20000214; IE S20000093 A 20000214