

Title (en)
Tube heat exchanger

Title (de)
Röhrenradiator

Title (fr)
Echangeur de chaleur à tubes

Publication
EP 0928942 B1 20030326 (DE)

Application
EP 99100050 A 19990105

Priority
DE 19800230 A 19980107

Abstract (en)
[origin: EP0928942A2] Laser welding is used to join together one or more of the following - the individual radiator elements, the tubes to the radiator connections, the blind covers or inlet or outlet covers with the end elements, the blind discs with the radiator elements, the threaded rings with the end elements, or the vertical inlet or outlet with the corresponding elements. A number of identical radiator elements (1.1-1.n) connected together by their hubs are formed by welding together half shells (3) and end pieces (2.1-2.n) in pairs to form the radiator tubes (R). A blind disc (7) is fitted to form a partition between the radiator inlet (V) and outlet. Blind covers (6) and radiator inlet or outlet connection covers (5) are screwed into threaded rings mounted on the two end elements. Two radiator inlet and outlet connections extend vertically downwards from either end of the radiator.

IPC 1-7
F28F 9/26; **F28D 1/03**

IPC 8 full level
F28D 1/053 (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP)
F28D 1/05308 (2013.01); **F28F 9/268** (2013.01)

Cited by
EP1350579A3; WO2009015631A1; WO2009015630A3

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0928942 A2 19990714; **EP 0928942 A3 20000503**; **EP 0928942 B1 20030326**; AT E235669 T1 20030415; DE 19800230 A1 19990715; DE 19800230 C2 20000113; ES 2194393 T3 20031116

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