

Title (en)

Heat exchanger with side plates

Title (de)

Wärmeübertrager mit Seitenteilen

Title (fr)

Echangeur de chaleur avec joues latérales

Publication

**EP 1568960 A3 20100915 (DE)**

Application

**EP 05001633 A 20050127**

Priority

DE 102004009415 A 20040224

Abstract (en)

[origin: EP1568960A2] A method for constructing an efficient heat exchanger, e.g. a radiator for an engine cooling system, has flat profile ribs (2) with parallel coolant ducts connected to two parallel supply and return ducts (5, 6) fitted to one side of each block. The end panels (7) of each block has extension tags (8) which form spacers between the supply and return ducts to reduce the thermal connection between the ducts. The tags can be twisted to form an open profile spacer with reduced thermal conduction.

IPC 8 full level

**F28F 9/00** (2006.01); **F28D 1/053** (2006.01)

CPC (source: EP)

**F28D 1/05391** (2013.01); **F28F 9/001** (2013.01)

Citation (search report)

- [AD] EP 0414433 A2 19910227 - SHOWA ALUMINIUM CO LTD [JP]
- [AD] DE 19906289 A1 19990819 - DENSO CORP [JP]
- [A] EP 0859209 A1 19980819 - ZEXEL CORP [JP]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1568960 A2 20050831**; **EP 1568960 A3 20100915**; DE 102004009415 A1 20050901

DOCDB simple family (application)

**EP 05001633 A 20050127**; DE 102004009415 A 20040224