

Title (en)  
Sheet heat exchangers

Title (de)  
Plattenwärmetauscher

Title (fr)  
Echangeur thermique à plaques

Publication  
**EP 2154465 A3 20131016 (DE)**

Application  
**EP 09167062 A 20090803**

Priority  
AT 12462008 A 20080811

Abstract (en)  
[origin: EP2154465A2] The exchanger (1) has bowl-like plates (3) parallel stacked one above the other and stretching flow areas of two media. A connecting element (6) retains a support (13) in an area of an end plate (5). The support is arranged at a section (7) of the connecting element, where the section protrudes with respect to the bowl-like plates. The support is fastened to a connecting plate in an area of an opening on a side of the connecting element, where the side is turned to the bowl-like plates. The element has a channel part that is formed as a deformed sheet metal or forging part or a casting part.

IPC 8 full level  
**F28F 9/02** (2006.01); **F28D 9/00** (2006.01); **F28F 9/007** (2006.01)

CPC (source: EP)  
**F28D 9/005** (2013.01); **F28F 9/0075** (2013.01); **F28F 9/0251** (2013.01); **F28D 2021/0089** (2013.01); **F28F 2280/06** (2013.01)

Citation (search report)

- [X] GB 2112918 A 19830727 - CUMMINS ENGINE CO INC
- [Y] DE 19654362 A1 19980625 - BEHR GMBH & CO [DE]
- [Y] DE 9309741 U1 19930826 - MANN & HUMMEL FILTER [DE]
- [A] EP 1452816 A2 20040901 - MODINE MFG CO [US]

Cited by  
EP3757503A1; FR3134884A1; DE102022202732A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**AT 506972 A4 20100115; AT 506972 B1 20100115;** EP 2154465 A2 20100217; EP 2154465 A3 20131016; EP 2154465 B1 20160504

DOCDB simple family (application)  
**AT 12462008 A 20080811;** EP 09167062 A 20090803