

Title (en)
Plate type heat exchanger

Title (de)
Plattenwärmetauscher

Title (fr)
Echangeur de chaleur à plaques

Publication
EP 1152204 A3 20020612 (DE)

Application
EP 01107118 A 20010322

Priority
DE 10021481 A 20000503

Abstract (en)
[origin: EP1152204A2] A heat exchanger panel has interdigitated ducts for two mediums connected via inlet/outlet ports in the four corners of the panel to enable the panel to be built into a stack with similar panels. Each panel has a pressed insert (6) to form the ducts for the medium flows. The pressed insert has flats (11) to press against both inside faces of the walls (2) of the heat exchanger to form a strong support with good heat transfer characteristics.

IPC 1-7
F28D 9/00; **F28F 3/02**

IPC 8 full level
F28D 9/00 (2006.01); **F28F 3/02** (2006.01)

CPC (source: EP US)
F28D 9/005 (2013.01 - EP US); **F28D 9/0093** (2013.01 - EP US); **F28F 3/025** (2013.01 - EP US)

Citation (search report)

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- [Y] EP 0742418 A2 19961113 - LAENGERER & REICH GMBH & CO [DE]
- [DY] EP 0819907 A2 19980121 - LAENGERER & REICH GMBH & CO [DE]
- [A] US 4815534 A 19890328 - FUERSCHBACH RAYMOND F [US]
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Cited by
EP1445570A3; DE102006048305B4; CN104864749A; DE102014015170B3; US7740058B2; EP1445570B1

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

DOCDB simple family (publication)
EP 1152204 A2 20011107; **EP 1152204 A3 20020612**; **EP 1152204 B1 20031119**; DE 10021481 A1 20011108; DE 50100984 D1 20031224; ES 2211683 T3 20040716; US 2001054501 A1 20011227; US 6530425 B2 20030311

DOCDB simple family (application)
EP 01107118 A 20010322; DE 10021481 A 20000503; DE 50100984 T 20010322; ES 01107118 T 20010322; US 84662901 A 20010501