

Title (en)
Heat exchanger block

Title (de)
Wärmetauscherblock

Title (fr)
Bloc échangeur de chaleur

Publication
EP 1757887 A1 20070228 (DE)

Application
EP 05018507 A 20050825

Priority
EP 05018507 A 20050825

Abstract (en)
The heat exchange block has two plates (1a, 1b) with grooves (2a, 2b) bounded by ribs (3a, 3b) forming flow channels (2) for a gas. On the outer surfaces (4a, 4b) of the plates, there are cavities (5a, 5b) bounded by a hood (6a, 6b) for the cooling fluid. There are seals (7a, 7b) sealing the gaps between the plate surfaces and the hood edges.

IPC 8 full level
F28F 3/04 (2006.01); **F28F 3/08** (2006.01); **F28F 21/02** (2006.01); **F28F 21/04** (2006.01); **F28F 21/06** (2006.01)

CPC (source: EP US)
F28D 9/0031 (2013.01 - EP US); **F28F 3/048** (2013.01 - EP US); **F28F 3/083** (2013.01 - EP US); **F28F 21/02** (2013.01 - EP US); **F28F 21/04** (2013.01 - EP US); **F28F 2230/00** (2013.01 - EP US)

Citation (applicant)
• DE 29604521 U1 19960620 - SGL TECHNIK GMBH [DE]
• DE 29604521 U1 19960620 - SGL TECHNIK GMBH [DE]
• EP 0203213 A1 19861203 - SIGRI GMBH [DE]

Citation (search report)
• [X] DE 508965 C 19301007 - LUDWIG HONIGMANN
• [DA] DE 29604521 U1 19960620 - SGL TECHNIK GMBH [DE]
• [A] US 5383517 A 19950124 - DIERBECK ROBERT F [US]
• [A] EP 0136481 A2 19850410 - ROCKWELL INTERNATIONAL CORP [US]
• [A] US 5228515 A 19930720 - TRAN HAI H [US]
• [A] AT 338957 B 19770926 - LIST HANS [AT], et al
• [A] EP 1001240 A1 20000517 - ELECTRIC BOAT CORP [US]

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ITMN20110009A1; FR2907539A1; DE102008048014A1; WO2011117907A3

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1757887 A1 20070228; EP 1757887 B1 20111012; AT E528605 T1 20111015; CA 2557037 A1 20070225; CA 2557037 C 20130723; DK 1757887 T3 20120123; ES 2374818 T3 20120222; PL 1757887 T3 20120430; US 2007044947 A1 20070301; US 7549464 B2 20090623

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EP 05018507 A 20050825; AT 05018507 T 20050825; CA 2557037 A 20060824; DK 05018507 T 20050825; ES 05018507 T 20050825; PL 05018507 T 20050825; US 51024106 A 20060825