Title (en)

Plate heat exchanger, especially for cooling oil of motor vehicles

Title (de)

Plattenwärmetauscher, insbesondere zum Kühlen von Kraftfahrzeugöl

Title (fr)

Echangeur de chaleur à plaques, notamment pour refroidir une huile d'un véhicule automobile

Publication

EP 1063488 B1 20030625 (FR)

Application

EP 00401420 A 20000523

Priority

FR 9907835 A 19990621

Abstract (en)

[origin: EP1063488A1] Heat exchanger comprises identical stacked square plates (10) with raised peripheral edges (14). Plates are assembled in sealed manner and delimit flow channels between them for first fluid (F1) and second fluid (F2). Exchanger has inlet (26) and outlet (28) for first fluid located on diagonal of square. Inlet (30) and outlet (32) for second fluid is located on another diagonal of square.

IPC 1-7

F28D 9/00; F28F 3/04

IPC 8 full level

F28F 3/08 (2006.01); **F28D 9/00** (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP)

F28D 9/005 (2013.01); **F28F 3/046** (2013.01)

Cited by

EP1711768A1

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

EP 1063488 A1 20001227; **EP 1063488 B1 20030625**; DE 60003496 D1 20030731; DE 60003496 T2 20040519; ES 2204466 T3 20040501; FR 2795167 A1 20001222; FR 2795167 B1 20010914; JP 2001027490 A 20010130

DOCDB simple family (application)

EP 00401420 A 20000523; DE 60003496 T 20000523; ES 00401420 T 20000523; FR 9907835 A 19990621; JP 2000184218 A 20000620