

Title (en)

Plate heat exchanger, especially oil cooler for motor vehicles

Title (de)

Plattenwärmetauscher, insbesondere Ölkühler für Kraftfahrzeuge

Title (fr)

Echangeur de chaleur à plaques, en particulier refroidisseur d'huile pour véhicule automobile

Publication

EP 1063486 B1 20051116 (FR)

Application

EP 00401418 A 20000523

Priority

FR 9907830 A 19990621

Abstract (en)

[origin: EP1063486A1] Heat exchanger comprises first (10) and second (12) stacked plates placed alternately. Plates have bottoms (14,20) and undulations (18,24) extending in perpendicular directions so as to delimit between plates first (34) and second (36) flow channels for first and second fluids. Channel has hydraulic diameter (Dh) defined by $D_h = 2h$ where h represents half height of channel and value of hydraulic diameter is between 1 and 3 mm.

IPC 1-7

F28D 9/00; **F28F 3/04**

IPC 8 full level

F01M 5/00 (2006.01); **F01P 11/08** (2006.01); **F28D 9/00** (2006.01); **F28D 9/02** (2006.01); **F28F 3/04** (2006.01); **F28F 3/08** (2006.01)

CPC (source: EP)

F28D 9/005 (2013.01); **F28F 3/046** (2013.01); **F28D 2021/0089** (2013.01)

Cited by

FR2850740A1; FR2846733A1; FR2943774A1; EP2057424A4; US9273911B2; FR2846734A1; WO2007036963A1; WO2004042293A1; WO2005088223A1; WO2010108907A1; EP1711768A1; US7469554B2; FR2846736A1; US8122736B2

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