

Title (en)

STACKED PLATE HEAT EXCHANGER IN PARTICULAR AN OIL COOLER FOR MOTOR VEHICLES

Title (de)

STAPELSCHEIBENWÄRMEÜBERTRÄGER, INSBESONDERE ÖLKÜHLER FÜR KRAFTFAHRZEUGE

Title (fr)

ECHANGEUR DE CHALEUR A PLAQUES EMPILEES, EN PARTICULIER REFROIDISSEUR D'HUILE POUR VEHICULES AUTOMOBILES

Publication

EP 1678455 B1 20161109 (DE)

Application

EP 04765077 A 20040910

Priority

- EP 2004010152 W 20040910
- DE 10349141 A 20031017

Abstract (en)

[origin: WO2005038377A1] The invention relates to a stacked plate heat exchanger (1), in particular, an oil cooler for motor vehicles, made up into an assembly from alternating dished plates and baffle sheets (3), stacked one on top of and inside the other, each comprising first and second through openings (7, 8), for the formation of distribution and collector channels, which are welded together to form said first and second flow channels, whereby the baffle sheets (3) form a stay between the stacked plates and the assembly is enclosed by a base plate (4) and a cover plate (5).

IPC 8 full level

F28D 9/00 (2006.01); **F28F 3/02** (2006.01)

CPC (source: EP KR US)

F01M 5/002 (2013.01 - EP US); **F28D 9/00** (2013.01 - KR); **F28D 9/005** (2013.01 - EP US); **F28F 3/00** (2013.01 - KR); **F28F 3/02** (2013.01 - KR); **F28F 3/025** (2013.01 - EP US); **F28F 3/027** (2013.01 - EP US); **F28D 2021/0089** (2013.01 - EP US); **F28F 2225/00** (2013.01 - EP US); **Y10S 165/916** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005038377 A1 20050428; DE 10349141 A1 20050512; EP 1678455 A1 20060712; EP 1678455 B1 20161109; KR 101119543 B1 20120222; KR 20060113896 A 20061103; US 2007023175 A1 20070201; US 7717164 B2 20100518

DOCDB simple family (application)

EP 2004010152 W 20040910; DE 10349141 A 20031017; EP 04765077 A 20040910; KR 20067007209 A 20040910; US 57590606 A 20060815