

Title (en)
PLATE-TYPE HEAT EXCHANGER

Title (de)
PLATTENWÄRMETAUSCHER

Title (fr)
ECHANGEUR THERMIQUE DE TYPE PLAQUE

Publication
EP 1802933 B1 20111207 (EN)

Application
EP 05797019 A 20051019

Priority
• CA 2005001607 W 20051019
• CA 2485036 A 20041019

Abstract (en)
[origin: WO2006042405A1] A heat exchanger has oil core plates and coolant core plates disposed in alternating, stacked relationship. Flow passages are provided between adjacent plates, so that the oil flow passages alternate with the coolant flow passages, and the oil can flow from an oil inlet opening of each oil plate, and through the oil flow passage to an oil outlet opening, and coolant can flow from a coolant inlet opening of each coolant plate through the coolant flow passage to a coolant outlet opening. The oil inlet openings are adjacent to one end of the plates, and the oil outlet openings are spaced from the oil inlet openings, with a passageway for flow of the oil between upstanding bosses of the coolant plates on opposed sides of each oil plate and extending from a gap in an upstanding flange of the oil plate to the oil outlet opening.

IPC 8 full level
F28F 3/08 (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP)
F28D 9/005 (2013.01); **F28D 9/0056** (2013.01); **F28F 3/044** (2013.01)

Cited by
EP4130629A4

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

DOCDB simple family (publication)
WO 2006042405 A1 20060427; AT E536524 T1 20111215; CA 2485036 A1 20060419; CA 2485036 C 20120424; CN 100516752 C 20090722; CN 101069059 A 20071107; EP 1802933 A1 20070704; EP 1802933 A4 20091028; EP 1802933 B1 20111207; JP 2008517240 A 20080522; JP 4881867 B2 20120222

DOCDB simple family (application)
CA 2005001607 W 20051019; AT 05797019 T 20051019; CA 2485036 A 20041019; CN 200580041056 A 20051019; EP 05797019 A 20051019; JP 2007535973 A 20051019