

Title (en)

EASY-TO-MOUNT HEAT EXCHANGER WITH IMPROVED HEAT TRANSFER

Title (de)

LEICHT ANZUBRINGENDER WÄRMETAUSCHER MIT VERBESSERTER WÄRMELEITUNG

Title (fr)

ÉCHANGEUR DE CHALEUR À MONTAGE FACILITÉ ET À TRANSFERT DE CHALEUR AMÉLIORÉ

Publication

EP 1782012 A1 20070509 (FR)

Application

EP 05793075 A 20050727

Priority

- FR 2005001962 W 20050727
- FR 0408591 A 20040803

Abstract (en)

[origin: WO2006024750A1] The invention relates to a heat exchanger comprising a body containing a series of first (18) and a series of second (20) fluid flow channels. The body is equipped with: a first slotted element (2) comprising at least a first groove (14) and at least a first rib (6), each first rib (6) housing at least one of the first fluid flow channels (18); and a second slotted element (4) comprising at least a second rib (8) and at least a second groove (16), each second rib (8) housing at least one of the second fluid flow channels (20). According to the invention, the first (2) and second (4) body elements engage such that each first rib (6) and each second groove (8) are housed in a second groove (16) and a first groove (14) respectively.

IPC 8 full level

F28D 7/00 (2006.01)

CPC (source: EP)

F25B 40/00 (2013.01); **F28D 7/0025** (2013.01); **F25B 2309/061** (2013.01); **F28F 2275/14** (2013.01)

Citation (search report)

See references of WO 2006024750A1

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)

FR 2874082 A1 20060210; FR 2874082 B1 20061124; AT E420332 T1 20090115; DE 602005012282 D1 20090226; EP 1782012 A1 20070509; EP 1782012 B1 20090107; ES 2319447 T3 20090507; WO 2006024750 A1 20060309

DOCDB simple family (application)

FR 0408591 A 20040803; AT 05793075 T 20050727; DE 602005012282 T 20050727; EP 05793075 A 20050727; ES 05793075 T 20050727; FR 2005001962 W 20050727