

Title (en)
MODULAR EXCHANGER FOR AUTOMOTIVE REFRIGERATION SYSTEM

Title (de)
MODULARER WANDLER FÜR EIN AUTOMOBIL-KÜHLSYSTEM

Title (fr)
ÉCHANGEUR MODULAIRE POUR UN SYSTÈME DE REFROIDISSEMENT AUTOMOBILE

Publication
EP 2102576 B1 20170329 (EN)

Application
EP 08702246 A 20080109

Priority
• IB 2008000084 W 20080109
• IT MI20070048 A 20070115

Abstract (en)
[origin: WO2008087526A2] A modular exchanger (10) for an automotive refrigeration system (1), comprises at least one exchanger pack (11) in turn comprising a battery of stacked exchange plates (20), each exchange plate has a first surface (21) furrowed by a plurality of parallel grooves (22), and a second flat continuous surface (23) opposite to the first, the exchange plates (20), are juxtaposed in such a manner that the grooves (22) of an exchange plate define with the continuous flat surface (23) of a plate laid over the first, a series of parallel pipes (24) for the circulation of the pressurised (Fa) or low pressure (Fb) operating fluid, provided in each of such exchange plates (20) are a plurality of first and second openings (51,52) respectively having the function of inlet/outlet or passing through of the fluid (Fa, Fb), the parallel grooves of each exchange plate (20) are arranged perpendicularly to the ones of the exchange plate arranged above and/or below.

IPC 8 full level
F28F 3/04 (2006.01); **F25B 40/00** (2006.01); **F28D 9/00** (2006.01); **F28F 9/00** (2006.01); **F28F 9/02** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP)
F25B 40/00 (2013.01); **F28D 9/0018** (2013.01); **F28D 9/005** (2013.01); **F28F 3/048** (2013.01); **F28F 9/00** (2013.01); **F28F 9/0246** (2013.01); **F28F 9/26** (2013.01); **F25B 2309/061** (2013.01); **F28F 2275/04** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008087526 A2 20080724; WO 2008087526 A3 20081023; EP 2102576 A2 20090923; EP 2102576 B1 20170329;
IT MI20070048 A1 20080716

DOCDB simple family (application)
IB 2008000084 W 20080109; EP 08702246 A 20080109; IT MI20070048 A 20070115