

Title (en)

Stacked plate cooler

Title (de)

Stapelscheibenkühler

Title (fr)

Dispositif de refroidissement à empilement de plaques

Publication

EP 2267390 B1 20161228 (DE)

Application

EP 10164783 A 20100602

Priority

DE 102009030095 A 20090622

Abstract (en)

[origin: EP2267390A2] The cooler has exchanger plates arranged above each other to form a stack. A base plate (3) is arranged at an end of the stack and includes a curved beading (4), which is positioned along a direction of the stack. The beading sectionally follows a contour of the stack and partially or completely encloses the contour. The base plate includes a fastening section (8) projecting above the contour for fixing the cooler at a structure. A discontinuation point of the beading is provided in a region of a fluid connection (5). A stiffening plate is soldered on the base plate.

IPC 8 full level

F28D 9/00 (2006.01); **F28F 9/007** (2006.01)

CPC (source: EP)

F28D 9/005 (2013.01); **F28F 9/0075** (2013.01); **F28F 2280/06** (2013.01)

Citation (examination)

DE 102007008459 A1 20071213 - BEHR GMBH & CO KG [DE]

Citation (opposition)

Opponent : Valeo Systemes Thermiques

- US 2007084809 A1 20070419 - BRADU PASCAL [FR], et al
- DE 20010816 U1 20011115 - BEHR GMBH & CO [DE]
- DE 102005048452 A1 20060420 - BEHR GMBH & CO KG [DE]
- US 2008257536 A1 20081023 - KOLBLIN RUDIGER [DE], et al
- JP 2008144977 A 20080626 - MAHLE FILTER SYSTEMS JP CORP

Cited by

EP3598050A1; EP3598051A1; EP3598049A1; WO2020016132A1; JP2017500532A; GB2541032A; US2012152506A1; US9151542B2; KR20170097156A; JP2018505337A; KR101868306B1; US10260822B2; US9863715B2; EP2557383A3; US2016214215A1; US10076812B2; WO2013020828A1; WO2016096957A1; WO2017155802A1; WO2015185213A1; FR2989771A1; CN112805526A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2267390 A2 20101229; EP 2267390 A3 20131204; EP 2267390 B1 20161228; EP 2267390 B2 20221214; DE 102009030095 A1 20101223

DOCDB simple family (application)

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