

Title (en)

HEAT EXCHANGER, NOTABLY FOR A MOTOR VEHICLE

Title (de)

WÄRMETAUSCHER, INSBESONDERE FÜR EIN KRAFTFAHRZEUG

Title (fr)

ÉCHANGEUR THERMIQUE, NOTAMMENT POUR VEHICULE AUTOMOBILE

Publication

EP 3394545 B1 20231213 (FR)

Application

EP 16826393 A 20161216

Priority

- FR 1562887 A 20151221
- FR 2016053505 W 20161216

Abstract (en)

[origin: WO2017109356A1] The invention relates to a heat exchanger, notably for a motor vehicle, said exchanger comprising a heat exchange core bundle defining circulation canals (9) for at least one fluid. According to the invention, - the heat exchanger comprises a predefined number of frames (15) respectively defining a circulation canal (9) for said fluid, each frame (15) defining an internal width and an internal length (L), and - each frame (15) comprises at least one internal strip (150) of smaller width (W) than the said frame (15), and extending longitudinally inside said frame (15) over a length (l) less than the internal length (l) of the said frame (15) so as to define an at least two-pass path for the said fluid in the said frame (15).

IPC 8 full level

F28D 7/16 (2006.01); **F28F 1/02** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)

F28D 7/1692 (2013.01); **F28F 1/022** (2013.01); **F28F 9/0251** (2013.01); **F28F 9/0253** (2013.01)

Citation (examination)

- EP 2474803 A2 20120711 - HS MARSTON AEROSPACE LTD [GB]
- US 3334399 A 19670808 - TEEGUARDEN ROSS W
- DE 19719256 B4 20050818 - VALEO KLIMATECH GMBH & CO KG [DE]

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 RS SE SI SK SM TR

DOCDB simple family (publication)

FR 3045804 A1 20170623; FR 3045804 B1 20171229; EP 3394545 A1 20181031; EP 3394545 B1 20231213; WO 2017109356 A1 20170629

DOCDB simple family (application)

FR 1562887 A 20151221; EP 16826393 A 20161216; FR 2016053505 W 20161216