

Title (en)

HEAT EXCHANGER AND ASSOCIATED HEATING, VENTILATION AND/OR AIR CONDITIONING EQUIPMENT

Title (de)

WÄRMETAUSCHER UND ZUGEHÖRIGE HEIZUNGS-, BELÜFTUNGS- UND/ODER KLIMAANLAGE

Title (fr)

ÉCHANGEUR THERMIQUE ET INSTALLATION DE CHAUFFAGE, DE VENTILATION ET/OU DE CLIMATISATION ASSOCIÉE

Publication

EP 3356758 A1 20180808 (FR)

Application

EP 16787499 A 20160930

Priority

- FR 1559327 A 20151001
- FR 2016052514 W 20160930

Abstract (en)

[origin: WO2017055776A1] The invention relates to a heat exchanger (3) between a first fluid and a second fluid, in particular for a motor vehicle, said heat exchanger (3) comprising: - a heat exchange bundle (5) defining an alternated stack of first circulation channels (7) of the first fluid and of second circulation channels (8) of the second fluid, and - flow disruptors (12) of the second fluid arranged in the second circulation channels (8). According to the invention, the heat exchanger (3) has a free zone that is devoid of disruptors (12) in the second circulation channels (8), and further comprises a vibration device (21) comprising a transmitter (25) arranged in a zone devoid of disruptors (12) of a second circulation channel and capable of generating acoustic waves in the heat exchange bundle (5), in such a way as to improve heat exchange between the first fluid and the second fluid.

IPC 8 full level

F28F 13/10 (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP)

F28F 13/10 (2013.01); **F28D 2021/008** (2013.01)

Citation (search report)

See references of WO 2017055776A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017055776 A1 20170406; EP 3356758 A1 20180808; FR 3042030 A1 20170407; FR 3042030 B1 20190816

DOCDB simple family (application)

FR 2016052514 W 20160930; EP 16787499 A 20160930; FR 1559327 A 20151001