

Title (en)

HEAT EXCHANGER, HOUSING, AND AIR-CONDITIONING CIRCUIT INCLUDING SUCH AN EXCHANGER

Title (de)

WÄRMETAUSCHER, GEHÄUSE UND KLIMAANLAGENKREIS MIT EINEM SOLCHEN WÄRMETAUSCHER

Title (fr)

ECHANGEUR DE CHALEUR, BOITIER ET CIRCUIT DE CLIMATISATION COMPRENANT UN TEL ECHANGEUR

Publication

EP 2726808 B1 20160706 (FR)

Application

EP 12731421 A 20120628

Priority

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- EP 2012062597 W 20120628

Abstract (en)

[origin: WO2013001019A1] The heat exchanger (1) according to the invention includes: a plurality of tubes (2) arranged in first and second rows (3A, 3B); first and second header boxes (4, 5) into which the tubes (2) of each of said rows lead; a longitudinal separating partition (16) arranged inside the first header box (4) so as to longitudinally divide the latter into inlet and outlet compartments for coolant (17, 18), into which the tubes of the first row (3A) and of the second row (3B) lead, said heat exchanger comprising a plurality of transverse separating partitions (27) arranged in the second header box (5) so as to transversely divide the latter into a plurality of return compartments (28), into which at least one tube from each row (3A, 3B) leads.

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

FR 2803378 A1 20010706 - VALEO CLIMATISATION [FR]

Citation (opposition)

Opponent : MAHLE International GmbH

- EP 0676593 A1 19951011 - PLASTIC MAGEN [IL]
- FR 2803378 A1 20010706 - VALEO CLIMATISATION [FR]
- JP H04187991 A 19920706 - SHOWA ALUMINUM CORP
- JP 2003207294 A 20030725 - MITSUBISHI HEAVY IND LTD
- EP 1460364 A2 20040922 - CALSONIC KANSEI UK LTD [GB]
- EP 1298401 A2 20030402 - HALLA CLIMATE CONTROL CORP [KR]
- DE 19746371 A1 19980507 - VALEO THERMIQUE MOTEUR SA [FR]
- DE 60011616 T2 20050714 - VALEO CLIMATISATION [FR]
- DE 19727145 A1 19990107 - LAENGERER & REICH GMBH & CO [DE]
- FR 2866419 A1 20050819 - VALEO CLIMATISATION [FR]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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