

Title (en)

HEAT EXCHANGER FOR AIR-CONDITIONING DEVICE

Title (de)

WÄRMETAUSCHER FÜR EINE KLIMATISIERUNGSVORRICHTUNG

Title (fr)

ÉCHANGEUR DE CHALEUR POUR DISPOSITIF DE CONDITIONNEMENT D'AIR

Publication

EP 2947411 A4 20161123 (EN)

Application

EP 13872232 A 20131127

Priority

- JP 2013008347 A 20130121
- JP 2013081917 W 20131127

Abstract (en)

[origin: EP2947411A1] A heat exchanger for an air conditioner is provided with a plurality of microchannel portions and a plurality of fin portions. Each of the microchannel portions is shaped like a plate having a plurality of refrigerant flow channels provided therein and is spaced apart from one another while being provided with one side located in an upstream side of an incoming external airflow and one side located in a downstream side of the incoming external airflow, the microchannel portions being sloped so that the upstream side thereof is higher than the downstream side thereof. Each of the fin portions is disposed between and in contact with two adjacent microchannel portions. An end portion of each of the fin portions located in at least either of the upstream side or the downstream side of the incoming external airflow is located on an imaginary line linking end portions of the microchannel portions.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] WO 2008042368 A1 20080410 - JOHNSON CONTROLS TECH CO [US], et al
- [XY] EP 1914499 A1 20080423 - IRSAP SPA [IT]
- [Y] JP 2010014329 A 20100121 - DAIKIN IND LTD
- [XA] WO 2008079132 A1 20080703 - CARRIER CORP [US], et al
- [XA] JP H0379060 U 19910812
- See references of WO 2014112217A1

Cited by

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Designated contracting state (EPC)

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