

Title (en)
REFRIGERANT DISTRIBUTING DEVICE AND HEAT EXCHANGER WITH THE SAME

Title (de)
KÜHLMITTELVERTEILUNGSVORRICHTUNG UND WÄRMETAUSCHER DAMIT

Title (fr)
DISPOSITIF DE DISTRIBUTION DE RÉFRIGÉRANT ET ÉCHANGEUR DE CHALEUR ÉQUIPÉ D'UN TEL DISPOSITIF

Publication
EP 2650635 A4 20171011 (EN)

Application
EP 11846143 A 20110509

Priority
• CN 201010590176 A 20101208
• CN 2011073846 W 20110509

Abstract (en)
[origin: EP2650635A1] A refrigerant distributing device and a heat exchanger comprising the refrigerant distributing device are provided. The refrigerant distributing device comprises a distributing tube (1) defining a first end and a second end in a length direction thereof, and a plurality of nozzles (2) disposed on the distributing tube (1) along the length direction of the distributing tube, each nozzle having a predetermined length and being formed with a through hole (21) communicating an interior of the distributing tube and an exterior of the distributing tube. By provision of the nozzles, the flow resistance is increased, the refrigerant flow rate is more uniform along the length direction of the distributing tube. In addition, the refrigerant can be ejected along the radial direction, the axial direction, the circumferential direction and other directions, so that the uniformity of the refrigerant in the space outside the distributing tube is improved.

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Citation (search report)
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• See references of WO 2012075772A1

Designated contracting state (EPC)
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