

Title (en)

MICROCHANNEL HEAT EXCHANGER WITH ENHANCED REFRIGERANT DISTRIBUTION

Title (de)

MIKROKANAL-WÄRMETAUSCHER MIT VERBESSERTER KÄLTEMITTELVERTEILUNG

Title (fr)

ÉCHANGEUR DE CHALEUR À MICROCANAU A DISTRIBUTION AMÉLIORÉ DU RÉFRIGÉRANT

Publication

EP 2310786 B1 20140924 (EN)

Application

EP 09747084 A 20090413

Priority

- US 2009040314 W 20090413
- US 5367708 P 20080516

Abstract (en)

[origin: WO2009139998A2] An evaporator includes a manifold receiving a distributor insert. The distributor insert receives the flow of refrigerant to be delivered into the manifold, and has openings to communicate this refrigerant into a plurality of chambers which are defined between adjacent dividing elements of the distributor insert within the manifold. In this manner, these chambers are each associated with distinct heat transfer tubes and such that these chambers are isolated from each other.

IPC 8 full level

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CPC (source: EP US)

F25B 39/028 (2013.01 - EP US); **F28F 9/0273** (2013.01 - EP US); **F28D 1/05366** (2013.01 - EP US); **F28F 2260/02** (2013.01 - EP US)

Cited by

US11946676B2; US7965563B2; WO2023192442A1

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DOCDB simple family (publication)

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US 2009040314 W 20090413; CN 200980117745 A 20090413; EP 09747084 A 20090413; ES 09747084 T 20090413; US 92141409 A 20090413