

Title (en)

HEAT EXCHANGER HAVING BAFFLED MANIFOLDS

Title (de)

WÄRMETAUSCHER MIT MIT PRALLFLÄCHEN VERSEHENEM VERTEILER

Title (fr)

ECHANGEUR DE CHALEUR COMPORTANT DES COLLECTEURS À CHICANES

Publication

**EP 2212639 A1 20100804 (EN)**

Application

**EP 07839508 A 20071012**

Priority

US 2007021858 W 20071012

Abstract (en)

[origin: WO2009048451A1] A heat exchanger for a fluid having a vapor-phase and a liquid-phase is provided. The heat exchanger includes a first manifold, a second manifold, a plurality of parallel channels, a mixing device, and one or more baffles. The parallel channels are in fluid communication with the first and second manifolds. The mixing device mixes the fluid flowing into the first manifold so that the fluid is a substantially homogeneous two-phase mixture of the vapor and liquid phases. The baffles are within the first manifold and ensure that the fluid enters the parallel channels as the substantially homogeneous two- phase mixture.

IPC 8 full level

**F28F 9/02** (2006.01)

CPC (source: EP US)

**F25B 39/028** (2013.01 - EP US); **F28D 1/05391** (2013.01 - EP US); **F28F 9/0204** (2013.01 - EP US); **F28F 9/0273** (2013.01 - EP US); **F28F 9/0278** (2013.01 - EP US)

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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