Title (en)

DESIGN CHARACTERISTICS FOR HEAT EXCHANGER DISTRIBUTION INSERT

Title (de)

ENTWURFSMERKMALE FÜR VERTEILUNGSEINSATZ EINES WÄRMETAUSCHERS

Title (fr)

CARACTÉRISTIQUES DE CONCEPTION POUR INSERT DE DISTRIBUTION D'ÉCHANGEUR DE CHALEUR

Publication

EP 2310790 A4 20141008 (EN)

Application

EP 09794882 A 20090612

Priority

- US 2009047141 W 20090612
- US 7952108 P 20080710

Abstract (en)

[origin: WO2010005676A2] A heat exchanger includes heat exchange tubes, a manifold, and a distribution insert incorporating orifices that communicate a fluid into the manifold for distribution into the heat exchange tubes. A design characteristic of the distribution insert and another design characteristic of at least one of the distribution insert, the manifold and the heat exchange tubes are employed to determine an essential design relationship. The essential design relationship defines a design parameter, the value of which falls within a determined range of values.

IPC 8 full level

F28F 9/22 (2006.01); **F25B 39/02** (2006.01); **F28F 9/02** (2006.01); **F28F 9/24** (2006.01)

CPC (source: EP US)

F25B 39/028 (2013.01 - EP US); **F28F 9/0273** (2013.01 - EP US)

Citation (search report)

- [XI] US 2005132744 A1 20050623 - ROHRER CLAY A [US], et al
- [X] WO 2008048251 A2 20080424 - CARRIER CORP [US], et al
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2010005676 A2 20100114; **WO 2010005676 A3 20100325**; CN 102089612 A 20110608; EP 2310790 A2 20110420; EP 2310790 A4 20141008; US 2011127023 A1 20110602

DOCDB simple family (application)

US 2009047141 W 20090612; CN 200980126715 A 20090612; EP 09794882 A 20090612; US 99423609 A 20090610