

Title (en)

Heat exchanger distribution assembly and method

Title (de)

Wärmetauscherverteilungsvorrichtung und Verfahren

Title (fr)

Ensemble et procédé de distribution d'un échangeur thermique

Publication

EP 2806244 A1 20141126 (EN)

Application

EP 14169425 A 20140522

Priority

US 201313901031 A 20130523

Abstract (en)

A heat exchanger distribution assembly (16) includes a channel guide (28) comprising an outer surface (30). Also included is an outer shell (20) comprising a hollow portion (26) and a plurality of distribution holes (48). The channel guide (28) is at least partially disposed within the hollow portion (26). Further included is a plurality of channel grooves (46) disposed between an inner surface (24) of the outer shell (20) and the outer surface (30) of the channel guide (28). The plurality of channel grooves (46) are configured to convert circumferentially spaced flow passages to axially spaced flow passages to route the fluid to a plurality of layers (50) of a heat exchanger (18).

IPC 8 full level

F28D 1/053 (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP US)

F25B 39/028 (2013.01 - EP US); **F28F 1/40** (2013.01 - US); **F28F 9/028** (2013.01 - EP US); **F28D 1/05366** (2013.01 - EP US); **F28F 9/0265** (2013.01 - EP US)

Citation (search report)

- [XYI] US 4513587 A 19850430 - HUMPOLIK BOHUMIL [DE], et al
- [Y] DE 3150187 A1 19830623 - SUEDEDEUTSCHE KUEHLER BEHR [DE]
- [A] EP 0121079 A1 19841010 - SUEDEDEUTSCHE KUEHLER BEHR [DE]
- [A] US 6179051 B1 20010130 - AYUB ZAHID H [US]

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Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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