

Title (en)

CORE-IN-SHELL EXCHANGER REFRIGERANT INLET FLOW DISTRIBUTOR

Title (de)

KÄLTEMITTELEINLAUFSTRÖMUNGSVERTEILER FÜR KERN-IN-HÜLLE-WÄRMETAUSCHER

Title (fr)

DISTRIBUTEUR D'ÉCOULEMENT D'ENTRÉE DE RÉFRIGÉRANT D'ÉCHANGEUR À FAISCEAU DANS UNE ENCEINTE

Publication

**EP 2976587 A4 20170315 (EN)**

Application

**EP 14768055 A 20140307**

Priority

- US 201361803503 P 20130320
- US 2014021935 W 20140307

Abstract (en)

[origin: US2014284032A1] Apparatuses and systems for introducing two-phase refrigerant into a shell of a core-in-shell exchanger are disclosed. One system includes: an exchanger shell; a heat-exchanging core disposed inside the exchanger shell; and an inlet flow distributor for directing incoming fluid comprising: a baffle plate with an array of orifice holes, wherein the orifice holes are off-set from the heat-exchanging core.

IPC 8 full level

**F28D 7/00** (2006.01); **F25J 5/00** (2006.01); **F28D 7/16** (2006.01); **F28D 9/00** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP US)

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Citation (search report)

- [X] EP 2472211 A2 20120704 - LINDE AG [DE]
- [XI] JP 2002349999 A 20021204 - MITSUBISHI HEAVY IND LTD
- [XI] WO 9803826 A1 19980129 - AMERICAN STANDARD INC [US]
- [XI] US 2008163637 A1 20080710 - RING H KENNETH [US], et al
- [XI] US 2011226005 A1 20110922 - LEE HYUNG JUN [KR]
- [A] DE 202010014128 U1 20110224 - TRANTER PRESSKO GMBH [DE]
- See references of WO 2014150033A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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