

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

CPC (source: EP US)
F25J 5/005 (2013.01 - EP US); **F28D 7/16** (2013.01 - EP US); **F28D 9/0006** (2013.01 - EP US); **F28F 9/0273** (2013.01 - EP US); **F28F 9/0278** (2013.01 - EP US); **F28F 9/028** (2013.01 - EP US); **F25J 2250/02** (2013.01 - EP US); **F25J 2290/32** (2013.01 - EP US)

Citation (search report)
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• [XI] WO 9803826 A1 19980129 - AMERICAN STANDARD INC [US]
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• [XI] US 2011226005 A1 20110922 - LEE HYUNG JUN [KR]
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• See references of WO 2014150033A1

Designated contracting state (EPC)
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