

Title (en)
INTERNAL BAFFLE FOR SUPPRESSING SLOSH IN A CORE-IN-SHELL HEAT EXCHANGER

Title (de)
INTERNE ABLENKPLATTE ZUR UNTERDRÜCKUNG VON ÜBERSCHWAPPEN BEI EINEM KERN-HÜLLE-WÄRMETAUSCHER

Title (fr)
ÉCRAN INTERNE POUR SUPPRIMER UN BALLOTTEMENT DANS UN ÉCHANGEUR DE CHALEUR À C UR DANS UNE ENCEINTE

Publication
EP 2795232 A4 20151028 (EN)

Application
EP 12859035 A 20121218

Priority
• US 201161578133 P 20111220
• US 2012070374 W 20121218

Abstract (en)
[origin: US2013153179A1] Apparatuses and methods for suppressing slosh in a core-in-shell type heat exchanger are provided. One embodiment provides a heat exchanger including: (a) an internal volume defined within a shell; (b) a plurality of spaced apart cores disposed within the internal volume of the shell, and (c) slosh suppressing baffles disposed within the internal volume to separate the plurality of spaced apart cores, wherein each core is partially submerged in a liquid shell-side fluid, wherein the slosh suppressing baffles allow limited distribution of the liquid shell-side fluid between each core, wherein the slosh suppressing baffles can withstand cryogenic temperatures, wherein the slosh suppressing baffles can withstand and divert the flow of the liquid shell-side fluid between each core.

IPC 8 full level
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CPC (source: EP RU US)
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Designated contracting state (EPC)
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DOCDB simple family (publication)
US 2013153179 A1 20130620; AP 2014007704 A0 20140630; AU 2012355357 A1 20140710; AU 2012355357 B2 20161222; CN 104024783 A 20140903; CN 104024783 B 20160831; EP 2795232 A1 20141029; EP 2795232 A4 20151028; EP 2795232 B1 20180411; ES 2668789 T3 20180522; JP 2015502518 A 20150122; JP 2018013328 A 20180125; JP 6270734 B2 20180131; RU 2014129906 A 20160210; RU 2612242 C2 20170303; WO 2013096323 A1 20130627

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US 201213718240 A 20121218; AP 2014007704 A 20121218; AU 2012355357 A 20121218; CN 201280063623 A 20121218; EP 12859035 A 20121218; ES 12859035 T 20121218; JP 2014549205 A 20121218; JP 2017172817 A 20170908; RU 2014129906 A 20121218; US 2012070374 W 20121218