

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 B1 20180411 (EN)

Application

EP 12859035 A 20121218

Priority

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- 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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