

Title (en)

HEAT EXCHANGE ASSEMBLY EXCHANGING HEAT BETWEEN A FIRST AND A SECOND FLUID

Title (de)

WÄRME ZWISCHEN EINEM ERSTEN UND EINEM ZWEITEN FLUID AUSTAUSCHENDE WÄRMEAUSTAUSCHANORDNUNG

Title (fr)

ENSEMBLE D'ECHANGE DE CHALEUR ENTRE UN PREMIER ET UN SECOND FLUIDES

Publication

EP 1994350 A1 20081126 (FR)

Application

EP 07731034 A 20070223

Priority

- FR 2007000329 W 20070223
- FR 0602188 A 20060313

Abstract (en)

[origin: WO2007104843A1] The heat exchange assembly (1) for exchanging heat between a first and a second fluid comprises: a plurality of heat exchange modules (12) for exchanging heat between the first and second fluids, these being distributed about a central axis (X) and having opposing respective lateral faces (47); feed manifolds (14, 16) for feeding the modules (12) with primary and secondary fluid and collection manifolds (18, 20) for removing these fluids. At least some of the said manifolds (14, 16) or parts of the said manifolds (18) run between the modules (12), the said manifolds (14, 16) or parts of manifolds (18) flanking one and the same module (12) being positioned substantially symmetrically with respect to the mid-plane situated between the two lateral faces (47) of the said module (12) in such a way that the said manifolds (14, 16) or parts of manifolds (18) create substantially identical thermal stresses in the lateral faces (47) of the module (12).

IPC 8 full level

F28D 9/00 (2006.01)

CPC (source: EP KR US)

F28D 9/00 (2013.01 - KR); **F28D 9/0006** (2013.01 - EP US); **F28D 15/00** (2013.01 - KR); **F28D 2021/0054** (2013.01 - EP US); **F28F 2250/108** (2013.01 - EP US); **F28F 2265/26** (2013.01 - EP US); **Y02E 30/30** (2013.01 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2898404 A1 20070914; **FR 2898404 B1 20080905**; CN 101427092 A 20090506; CN 101427092 B 20101215; EP 1994350 A1 20081126; JP 2009530574 A 20090827; JP 4891353 B2 20120307; KR 101318129 B1 20131016; KR 20080106543 A 20081208; RU 2008140299 A 20100420; RU 2427776 C2 20110827; US 2009050295 A1 20090226; US 8833436 B2 20140916; WO 2007104843 A1 20070920; ZA 200807818 B 20111130

DOCDB simple family (application)

FR 0602188 A 20060313; CN 200780014354 A 20070223; EP 07731034 A 20070223; FR 2007000329 W 20070223; JP 2008558843 A 20070223; KR 20087022439 A 20070223; RU 2008140299 A 20070223; US 28219007 A 20070223; ZA 200807818 A 20080911