

Title (en)

HEAT EXCHANGER AND A MANIFOLD FOR USE THEREIN

Title (de)

WÄRMETAUSCHER UND VERTEILER ZUR VERWENDUNG DARIN

Title (fr)

ÉCHANGEUR THERMIQUE ET COLLECTEUR DESTINÉ À ÊTRE UTILISÉ DANS LEDIT ÉCHANGEUR THERMIQUE

Publication

EP 2516940 A2 20121031 (EN)

Application

EP 10813018 A 20101216

Priority

- US 28848509 P 20091221
- IB 2010055861 W 20101216

Abstract (en)

[origin: WO2011077329A2] A heat exchanger includes a manifold and a tube array. The manifold has an internal void and walls that surround the void and merge one with the other via corners. Each wall has a middle portion that is located mid way between the corners merging with the wall and the manifold branches off to attach and communicate with the tube array at a location aside of the middle portion of one of the walls towards a corner that merges with the wall.

IPC 8 full level

F24J 2/46 (2006.01); **F24J 2/50** (2006.01); **F24S 10/70** (2018.01); **F28F 9/02** (2006.01); **F28F 9/18** (2006.01); **F28F 21/06** (2006.01)

CPC (source: EP US)

F24S 80/30 (2018.04 - EP US); **F28F 9/02** (2013.01 - EP US); **F28F 9/187** (2013.01 - EP US); **F28F 21/062** (2013.01 - EP US); **F24S 10/70** (2018.04 - EP US); **F24S 80/50** (2018.04 - EP US); **F28F 2009/0285** (2013.01 - EP US); **F28F 2225/08** (2013.01 - EP US); **Y02E 10/40** (2013.01 - EP US)

Citation (search report)

See references of WO 2011077329A2

Citation (examination)

- WO 02081998 A1 20021017 - NORSE HYDRO AS [NO], et al
- US 5582238 A 19961210 - PLASCHKES MICHAEL [IL]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2011077329 A2 20110630; **WO 2011077329 A3 20120119**; AU 2010334448 A1 20120809; AU 2010334448 B2 20151119; EP 2516940 A2 20121031; IL 220484 A0 20120830; IL 220484 A 20161229; US 2012267085 A1 20121025

DOCDB simple family (application)

IB 2010055861 W 20101216; AU 2010334448 A 20101216; EP 10813018 A 20101216; IL 22048412 A 20120618; US 201013517249 A 20101216