

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Échangeur de chaleur

Publication
EP 2594883 A3 20140611 (EN)

Application
EP 12192159 A 20121112

Priority
GB 201120008 A 20111121

Abstract (en)
[origin: EP2594883A2] A heat exchanger 302 comprising: an inlet manifold 304; an outlet manifold 306; and a tube matrix 310 comprising a plurality of tubes 308, each tube 308 being connected at one end to the inlet manifold 304 and at the other end to the outlet manifold 306; wherein each tube extends generally along a longitudinal axis defined between the connection of the tube 308 with the inlet manifold 304 and the connection of the tube 308 with the outlet manifold 306; and wherein a single portion 314 of each tube 308 is offset to one side of the longitudinal axis.

IPC 8 full level
F28D 7/00 (2006.01); **F28D 1/047** (2006.01); **F28D 1/053** (2006.01)

CPC (source: EP US)
F28D 1/047 (2013.01 - EP US); **F28D 7/005** (2013.01 - US); **F28F 1/00** (2013.01 - US); **F28F 9/02** (2013.01 - US); **F28D 1/0475** (2013.01 - EP); **F28D 1/05333** (2013.01 - EP US); **F28F 2265/26** (2013.01 - EP US)

Citation (search report)

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- [YA] US 4809774 A 19890307 - HAGEMEISTER KLAUS [DE]
- [A] JP H0842806 A 19960216 - KAWASAKI HEAVY IND LTD
- [A] US 2004069470 A1 20040415 - GORBULSKY JACOB [US]
- [A] WO 9110107 A1 19910711 - BURMEISTER & WAINS ENERGI [DK]

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

Designated extension state (EPC)
BA ME

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EP 12192159 A 20121112; GB 201120008 A 20111121; US 201213675744 A 20121113