

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Échangeur de chaleur

Publication  
**EP 2594883 A2 20130522 (EN)**

Application  
**EP 12192159 A 20121112**

Priority  
GB 201120008 A 20111121

Abstract (en)  
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 1/047** (2006.01); **F28D 1/053** (2006.01); **F28D 7/00** (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)

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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2594883 A2 20130522**; **EP 2594883 A3 20140611**; GB 201120008 D0 20120104; US 2013126141 A1 20130523

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