

Title (en)
SPIRAL FLAT-TUBE HEAT EXCHANGER

Title (de)
SPIRALFLACHROHRWÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR À TUBE PLAT EN SPIRALE

Publication
EP 2029952 A4 20130116 (EN)

Application
EP 06770957 A 20060523

Priority
US 2006019920 W 20060523

Abstract (en)
[origin: WO2007136379A1] A spiral flat tube heat exchanger comprising a first flat tube and a second flat tube thermally coupled to the first flat tube, the first flat tube and the second flat tube forming substantially concentric spirals. A first fluid flows through the first flat tube in a first flow direction, and second fluid flows through the second flat tube in a second flow direction. The flat tubes preferably contain microchannels to increase heat transfer efficiency.

IPC 8 full level
F28D 7/14 (2006.01); **F28D 7/00** (2006.01); **F28D 7/04** (2006.01)

CPC (source: EP US)
F28D 7/0033 (2013.01 - EP US); **F28D 7/04** (2013.01 - EP US); **F28D 2021/007** (2013.01 - EP US); **F28D 2021/0071** (2013.01 - EP US); **F28F 2013/006** (2013.01 - EP US); **F28F 2260/02** (2013.01 - EP US); **F28F 2275/025** (2013.01 - EP US); **Y10T 29/4935** (2015.01 - EP US)

Citation (search report)

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- See references of WO 2007136379A1

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

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