

Title (en)
HEAT EXCHANGERS

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEURS THERMIQUES

Publication
EP 3193122 A1 20170719 (EN)

Application
EP 16207357 A 20161229

Priority
US 201614994504 A 20160113

Abstract (en)
A heat exchanger (100) includes a body (101) and a plurality of elliptical flow channels (103) defined in the body (101), the elliptical flow channels (103) defining an elliptical cross-sectional flow area, and a plurality of non-elliptical flow channels (105) defined in the body (101) and interspersed between the elliptical flow channels (103), the non-elliptical flow channels (105) having a non-elliptical cross-sectional flow area.

IPC 8 full level
F28F 7/02 (2006.01)

CPC (source: EP US)
F28D 7/0066 (2013.01 - US); **F28F 7/02** (2013.01 - EP US)

Citation (search report)
• [X1] WO 2013172181 A1 20131121 - MITSUBISHI ELECTRIC CORP [JP]
• [X1] EP 2706318 A1 20140312 - MITSUBISHI ELECTRIC CORP [JP]
• [X1] DE 29604521 U1 19960620 - SGL TECHNIK GMBH [DE]
• [I] EP 1533585 A2 20050525 - COMMISSARIAT ENERGIE ATOMIQUE [FR]

Cited by
EP3587982B1

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

DOCDB simple family (publication)
EP 3193122 A1 20170719; EP 3193122 B1 20181003; US 2017198976 A1 20170713

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