

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMEÜBERTRAGER

Title (fr)
ECHANGEUR DE CHALEUR

Publication
EP 1899670 A1 20080319 (DE)

Application
EP 06762163 A 20060623

Priority
• EP 2006006071 W 20060623
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Abstract (en)
[origin: DE102005029321A1] The heat exchanger has at least one duct for a flow traveling from an inlet cross section to an outlet cross section. It has internal structural elements to increase heat transfer. The structural elements (11) are variably arranged and/or configured in the direction of flow (P) so that the duct (10) has internal variable heat transfer increasing in the direction of flow.

IPC 8 full level
F28F 1/40 (2006.01); **F28F 3/02** (2006.01); **F28F 13/12** (2006.01)

CPC (source: EP US)
F28F 1/40 (2013.01 - EP US); **F28F 3/042** (2013.01 - EP US); **F28F 13/02** (2013.01 - EP US); **F28F 13/12** (2013.01 - EP US); **F28F 13/14** (2013.01 - EP US); **F28D 21/0003** (2013.01 - EP US); **F28D 2021/0082** (2013.01 - EP US); **F28F 1/04** (2013.01 - EP US); **F28F 2215/04** (2013.01 - EP US)

Citation (search report)
See references of WO 2006136437A1

Designated contracting state (EPC)
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DE 102005029321 A1 20061228; EP 1899670 A1 20080319; EP 1899670 B1 20160810; EP 3048407 A1 20160727; EP 3048407 B1 20190807; EP 3048407 B9 20191127; JP 2008544207 A 20081204; JP 5112304 B2 20130109; US 2010139631 A1 20100610; US 7942137 B2 20110517; WO 2006136437 A1 20061228

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