

Title (en)
Heat exchanger

Title (de)
Wärmeaustauscher

Title (fr)
Echangeur thermique

Publication
EP 2192367 B1 20140730 (DE)

Application
EP 09012442 A 20091001

Priority
DE 102008059200 A 20081127

Abstract (en)
[origin: EP2192367A2] The exchanger (1) has fluid channels (12, 19) passed by respective fluid (24, 25). The fluid channels are designed in a spiral manner in opposite directions. Each channel lies against lower or upper wall of the other channel in each winding of a spiral unit (2) of the heat exchanger at an upper and lower wall in a laminar manner, where the spiral unit is formed by the channels. The channels exhibit rectangular flow cross section and are designed as a channel package. Ventilators (3, 4) are arranged at ends (5, 6) of the spiral unit, where the spiral unit is made of aluminum and plastic.

IPC 8 full level
F24F 12/00 (2006.01); **F28D 7/02** (2006.01)

CPC (source: EP)
F28D 7/022 (2013.01); **F28F 2250/08** (2013.01)

Cited by
WO2013041066A2; CN103162555A; KR20190006792A; WO2013041066A3

Designated contracting state (EPC)
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