

Title (en)

Heat exchanger with alternated flat tubes

Title (de)

Wärmetauscher mit versetzten Flachrohren

Title (fr)

Echangeur de chaleur à tubes plats alternés

Publication

**EP 1770346 B1 20090121 (FR)**

Application

**EP 06020556 A 20060929**

Priority

FR 0509975 A 20050930

Abstract (en)

[origin: EP1770346A1] The heat exchanger, comprising a series of alternating flat tube panels (11, 12) for circulating first and second fluids, linked to collector spaces formed by cavities (25) in manifold blocks that are offset relative to one another so they remain separate. The cavities are linked by connectors (34, 35, 36, 37) at opposite ends of the tube panels to feed and return pipes.

IPC 8 full level

**F28D 9/00** (2006.01)

CPC (source: EP)

**F25B 40/00** (2013.01); **F28D 7/0025** (2013.01); **F28D 9/0081** (2013.01); **F28F 9/02** (2013.01); **F25B 2309/061** (2013.01); **F28F 2250/108** (2013.01)

Cited by

DE102011008429A1; FR3000187A1; CN104995472A; EP2667136A4; EP3819579A1; WO2010060657A1; WO2014095572A1

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

DOCDB simple family (publication)

**EP 1770346 A1 20070404**; **EP 1770346 B1 20090121**; AT E421670 T1 20090215; DE 602006004937 D1 20090312; FR 2891615 A1 20070406; FR 2891615 B1 20080111

DOCDB simple family (application)

**EP 06020556 A 20060929**; AT 06020556 T 20060929; DE 602006004937 T 20060929; FR 0509975 A 20050930