

Title (en)
Heat exchanger with high cooling power

Title (de)
Hochleistungswärmetauscher

Title (fr)
Echangeur de chaleur à puissance frigorifique élevée

Publication
EP 2105693 B1 20170412 (FR)

Application
EP 09155369 A 20090317

Priority
FR 0801618 A 20080325

Abstract (en)
[origin: EP2105693A1] The exchanger (1) has tubes coupled to heat exchanging separators. The tubes form elementary paths, where each tube has a wall with thickness comprised between 0.24-0.28 millimeter. The paths form a combined path for a fluid e.g. coolant. The paths are alternately arranged with elementary paths forming another combined path for another fluid i.e. air, in a direction such that each elementary path for one of the fluid is in thermal contact with the adjacent elementary path for other fluid. The former elementary paths have a configuration extended in another direction.

IPC 8 full level
F28D 1/03 (2006.01)

CPC (source: EP)
F28D 1/0341 (2013.01); **F28D 2021/0085** (2013.01)

Cited by
FR2973106A1; CN105650950A; JP2017166715A; US9976816B2; WO2012126687A1

Designated contracting state (EPC)
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 SE SI SK TR

DOCDB simple family (publication)
EP 2105693 A1 20090930; EP 2105693 B1 20170412; CN 101598505 A 20091209; CN 101598505 B 20131127; ES 2626802 T3 20170726; FR 2929388 A1 20091002; FR 2929388 B1 20150417; JP 2009236478 A 20091015

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