

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 1867944 A3 20121121 (EN)

Application
EP 07110094 A 20070612

Priority
JP 2006165726 A 20060615

Abstract (en)
[origin: EP1867944A2] [Problem] To provide a heat exchanger in which the medium flow structure in a tube body is logically configured. [Solving Means] A heat exchanger comprising a tube body 200 comprising a first flow passage 211 and a second flow passage 221, an inlet part 310 and outlet part 320 for a medium that flows through the first flow passage, and an inlet part 330 and outlet part 340 for a medium that flows through the second flow passage in which heat exchange is effected between the medium flowing through the first flow passage and the medium flowing through the second flow passage by means of heat transmitted to the tube body, the tube body being formed by stacking of a plurality of flat first tubes 210 in which the first flow passage is provided and a plurality of flat second tubes 220 in which the second flow passage is provided, the plurality of first tubes and the plurality of second tubes being alternately stacked with uniformity along a longitudinal direction and a flatness direction thereof, and end parts 210a of the plurality of first tubes and end parts 220b of the plurality of second tubes being connected at the end parts of the tube body to each of a predetermined inlet part and outlet part with displacement therebetween in the flatness direction.

IPC 8 full level
F28D 7/00 (2006.01)

CPC (source: EP)
F25B 40/00 (2013.01); **F28D 7/0025** (2013.01); **F28F 1/025** (2013.01); **F28F 9/02** (2013.01); **F25B 2309/061** (2013.01); **F25B 2500/18** (2013.01)

Citation (search report)

- [XY] JP 2006112756 A 20060427 - MITSUBISHI ELECTRIC CORP
- [Y] US 3907032 A 19750923 - DEGROOTE RAYMOND S, et al
- [Y] WO 2006033371 A1 20060330 - SHOWA DENKO KK [JP], et al
- [X] FR 2332511 A1 19770617 - OWENS ILLINOIS INC [US]

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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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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