

Title (en)

Flat pipe for a heat exchanger

Title (de)

Flachrohr für einen Wärmetauscher

Title (fr)

Tube plat pour un échangeur thermique

Publication

EP 2299223 A3 20131211 (DE)

Application

EP 10175275 A 20100903

Priority

DE 102009041618 A 20090917

Abstract (en)

[origin: EP2299223A2] The pipe has metal strips comprising a fold at a longitudinal direction (L) of the pipe so that long side walls (1, 2) of the pipe are formed by sections (1a-1e, 2a-2d) of a cross section line of the metal strips. The sections are alternatively tracked in a course of the cross section line. A separate section is formed between sections of the long side walls. Chambers of the pipe are separated from each other by the separate section. The metal strips consist of a soldered plate with aluminum base and stainless steel base. Short side walls (3, 4) exhibit a double layer of the metal strips. An independent claim is also included for a heat exchanger comprising a flat pipe and ribs.

IPC 8 full level

F28D 1/03 (2006.01); **F28F 1/02** (2006.01); **F28F 1/04** (2006.01)

CPC (source: EP)

F28D 1/0391 (2013.01); **F28F 1/022** (2013.01); **F28F 1/04** (2013.01); **F28F 2265/00** (2013.01); **F28F 2275/06** (2013.01)

Citation (search report)

- [X] DE 102006054036 A1 20080521 - BEHR GMBH & CO KG [DE]
- [X] DE 102008007610 A1 20090806 - BEHR GMBH & CO KG [DE]
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- [X] DE 2031904 A1 19720113 - SIEMENS AG
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Designated contracting state (EPC)

AL 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 SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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