

Title (en)

A MULTI-CHANNEL TUBE FOR HEAT EXCHANGERS, MADE OF FOLDED METAL SHEET

Title (de)

MEHRKANALIGES ROHR FÜR WÄRMETAUSCHER AUS GEFALTETEM METALLBLECH

Title (fr)

TUBE MULTICANAUX POUR ÉCHANGEURS DE CHALEUR, CONSTITUÉ DE TÔLE MÉTALLIQUE PLIÉE

Publication

EP 2635866 A2 20130911 (EN)

Application

EP 11797127 A 20111104

Priority

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- IB 2011054920 W 20111104

Abstract (en)

[origin: WO2012059889A2] A tube for a heat exchanger comprises a plate (11) provided with a plurality of parallel flow ports (20, 30), wherein the plate is formed by a single folded-up metal sheet and consists of an envelope (12) formed by a first portion of the metal sheet, and of a partition structure (14) formed by a second portion of the metal sheet, which extends in an corrugated manner within the envelope (12) so as to define said flow ports therewith, and wherein the partition structure has a substantially polygonal profile having connection segments (14b) interconnecting opposite walls (12a, 12b) of the envelope (12) and being interposed between adjacent flow ports. The connection segments are slanted relative to the opposite walls of the envelope, thereby defining an angle $\alpha > 0^\circ$ relative to the normal to said walls.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2012059889A2

Citation (examination)

- EP 0283937 A1 19880928 - NIHON RADIATOR CO [JP]
- US 3212572 A 19651019 - OTTO HOWARD R
- US 2009250201 A1 20091008 - GRIPPE FRANK M [US], et al

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