

Title (en)

Method of forming a heat exchanger and a spacer therefor

Title (de)

Verfahren zur Herstellung eines Wärmetauschers und Abstandshalters

Title (fr)

Procédé de fabrication d'un échangeur de chaleur et élément d'espacement

Publication

EP 1712864 A1 20061018 (EN)

Application

EP 05252306 A 20050414

Priority

EP 05252306 A 20050414

Abstract (en)

A method of forming a heat exchanger comprising:- providing a plurality of extruded tubes 1 having parallel micro-bores 2 extending therethrough; closing the ends 3 of the micro-bores 2; forming an aperture 4 adjacent each end of each tube 1 normal to the micro-bores 2, piercing the micro-bores; forming a plurality of spacers 15 by forming apertures 12 in a strip 10 of sheet metal and folding the strip 10 about one or more transverse fold lines 13 such that the apertures 12 are aligned to form a continuous flow path; assembling the heat exchanger by locating a spacer 15 between each end region of adjacent tubes 1 to locate the tubes 1 in spaced parallel relationship and bonding the spacers 15 to the tubes 1 such that the aperture 4 formed in each end of each tube is in fluid communication the corresponding aperture in an adjacent tube via the aperture 12 in the spacer 15.

IPC 8 full level

F28D 1/053 (2006.01)

CPC (source: EP)

F28D 1/0535 (2013.01); **F28F 2240/00** (2013.01)

Citation (search report)

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- [XY] FR 2852383 A1 20040917 - VALEO THERMIQUE MOTEUR SA [FR]
- [Y] EP 0961095 A2 19991201 - BEHR INDUSTRIETECH GMBH & CO [DE], et al
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- [A] DE 19711396 A1 19980924 - BEHR GMBH & CO [DE]
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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR LV MK YU

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