

Title (en)

HEAT EXCHANGER AND ASSOCIATED METHOD OF FORMING FLOW PERTURBATORS

Title (de)

WÄRMETAUSCHER UND DAZUGEHÖRIGES VERFAHREN ZUR HERSTELLUNG VON STRÖMUNGSSTÖRERN

Title (fr)

ECHANGEUR DE CHALEUR ET PROCEDE DE FORMATION DE PERTURBATEURS ASSOCIE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2012062716A1] The invention relates to a heat exchanger, for heat exchange between first and second fluids, especially for a motor vehicle, comprising: first channels for the flow of the first fluid along a first flow direction (D1); second channels for the flow of the second fluid; and perturbation walls (13) placed in the second channels for flow of the second fluid and having flow perturbators (15) for perturbing the flow of the second fluid. According to the invention, the perturbation walls (13) comprise, respectively, at least one separating partition (19), said at least one partition (19) extending along a second direction (D2) substantially perpendicular to the first direction of flow of the first fluid and over a predefined distance from said wall (13) of less than the total width of said wall along the second direction, so as to define at least two passages for the flow of the second fluid substantially perpendicular to the flow of the first fluid.

IPC 8 full level

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Citation (search report)

See references of WO 2012062716A1

Citation (examination)

US 2010024508 A1 20100204 - OPFERKUCH FRANK [DE], et al

Designated contracting state (EPC)

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