

Title (en)
MULTIPLATE HEAT EXCHANGER

Title (de)
LAMELLENWÄRMEÜBERTRAGER

Title (fr)
ECHANGEUR DE CHALEUR À LAMELLES

Publication
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Application
EP 12721847 A 20120516

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Abstract (en)
[origin: WO2012159958A1] The present invention relates to a multiplate heat exchanger (1), in particular for automotive applications, having a plurality of plates (2) which are stacked one on top of the other in a spaced-apart manner in a stack direction (5), which plates form a plate stack, wherein the plates (2) each have a plurality of openings (4) bordered by collars (3), and the collars (3) of adjacent plates (2) are coupled to one another such that in each case one duct (6) of a duct system (7) for a first flow path (8) of a first fluid is formed in the region of the coupled collars (3) and a second flow path (9) of a second fluid is formed between adjacent plates (2), and having end panels (10) at those ends of the plate stack which are remote from one another in the stack direction (5), wherein the ducts (6) are fluidically connected to one another within the end panels (10). Such a multiplate heat exchanger (1) permits cheap and simple production and assembly, in particular by means of a tubeless construction.

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Citation (search report)
See references of WO 2012159958A1

Citation (examination)
• FR 2728668 A1 19960628 - VALEO THERMIQUE HABITACLE [FR]
• US 2788195 A 19570409 - JOHN KARMAZIN
• WO 2008099434 A1 20080821 - GIANNONI RAFFAELE [IT]
• GB 1448294 A 19760902 - GOULD CONTARDO SPA
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