

Title (en)

Heat exchange unit and corresponding heat exchanger, method of manufacturing a heat exchange unit

Title (de)

Wärmeaustauscheinheit und entsprechender Wärmetauscher sowie Herstellungsverfahren einer Wärmeaustauscheinheit

Title (fr)

Unité d'échange thermique et échangeur thermique correspondant, procédé de réalisation d'une unité d'échange thermique

Publication

**EP 2273224 B1 20120509 (FR)**

Application

**EP 10164297 A 20100528**

Priority

FR 0902628 A 20090602

Abstract (en)

[origin: US2010300665A1] The invention relates to a heat exchange unit between a first and a second fluid the heat exchange unit comprising: at least one interior duct (17) having a plurality of first longitudinal internal channels (21) for the circulation of the first fluid, a hollow exterior envelope (19) wherein is housed the interior duct (17), and at least two ribbed walls (19a) arranged on either side of the interior duct (17), in contact with the interior duct (17) and as well with the exterior envelope (19), in such a way as to delimit a plurality of second longitudinal channels (29) for the circulation of the second fluid, the second channels (29) extending substantially in parallel to the first channels (21). The invention also relates to a heat exchanger incorporating a heat exchange unit as well as a method of manufacturing such a unit.

IPC 8 full level

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Cited by

JPWO2013132544A1; WO2013114474A1; JP5661205B2

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**US 2010300665 A1 20101202**; **US 9103604 B2 20150811**; AT E557250 T1 20120515; CN 101922884 A 20101222; CN 106225335 A 20161214; EP 2273224 A1 20110112; EP 2273224 B1 20120509; ES 2387355 T3 20120920; FR 2946132 A1 20101203; FR 2946132 B1 20140404; JP 2011007486 A 20110113; JP 5727157 B2 20150603

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