

Title (en)

HEAT EXCHANGER AND HEAT EXCHANGE METHOD

Title (de)

WÄRMETAUSCHER UND WÄRMETAUSCHVERFAHREN

Title (fr)

ÉCHANGEUR DE CHALEUR ET PROCÉDÉ D'ÉCHANGE DE CHALEUR

Publication

EP 3199903 B1 20191016 (EN)

Application

EP 16200003 A 20161122

Priority

JP 2016010670 A 20160122

Abstract (en)

[origin: EP3199903A1] A heat exchanger includes a channel structure including a first substrate in which a first channel is arrayed, and a second substrate stacked on the first substrate, in which a second channel is arrayed. The first channel has an effective area overlapping a range where the second channel is provided, when viewed in a lamination direction of the first and second substrates. The effective area includes a standard heat transfer channel part including a high temperature end, and a high heat transfer channel part including a low temperature end, which is a part of the effective area other than the standard heat transfer channel part. The high heat transfer channel part has a bent shape so that a channel length thereof per unit distance of an end-to-end distance thereof is greater than a channel length of the standard heat transfer channel part per unit distance of an end-to-end distance thereof.

IPC 8 full level

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