

Title (en)

HEAT EXCHANGER HAVING SUPERPOSED SPACER INSERTS

Title (de)

WÄRMETAUSCHER MIT ÜBEREINANDER ANGEORDNETEN ABSTANDSHALTERN

Title (fr)

ECHANGEUR DE CHALEUR AVEC ÉLÉMENTS INTERCALAIRES SUPERPOSÉS

Publication

EP 3728978 A1 20201028 (FR)

Application

EP 18833962 A 20181218

Priority

- FR 1762419 A 20171219
- FR 2018053360 W 20181218

Abstract (en)

[origin: WO2019122676A1] The invention relates to a heat exchanger of the type with brazed plates and fins comprising a plurality of plates arranged parallel to one another so as to define a series of passages (33) for the flow of a first fluid to be brought into heat exchange relationship with at least one second fluid, at least one passage (33) being formed between a successive first plate (6) and second plate (7) and comprising at least one first spacer element (221) extending opposite the first plate (6) and defining, within the passage (33), a first set of channels (26) for the flow of the first fluid, at least one second spacer element (222) extending opposite the second plate (7) and defining, within the passage (33), a second set of channels (27) for the flow of the first fluid, said first and second spacer elements (221, 222) being superposed in the height (H) of the passage (33), measured perpendicularly to the plates (6, 7). According to the invention, the channels (26) of the first set extend generally parallel to a first direction (z1) parallel to the first and second plates (6, 7) and the channels (27) of the second set extend generally parallel to a second direction (z2) parallel to the first and second plates (6, 7), the first direction (z1) forming, in cross section in a plane parallel to the first and second plates (6, 7), an acute angle (A) with the second direction (z2).

IPC 8 full level

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Citation (search report)

See references of WO 2019122676A1

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