

Title (en)

HEAT EXCHANGER WITH REINFORCING PLATE

Title (de)

WÄRMETAUSCHER MIT VERSTÄRKUNGSPLATTE

Title (fr)

ÉCHANGEUR DE CHALEUR À PLAQUE DE RENFORT

Publication

EP 3555545 A1 20191023 (FR)

Application

EP 17829246 A 20171218

Priority

- FR 1662716 A 20161219
- FR 2017053665 W 20171218

Abstract (en)

[origin: WO2018115692A1] The present invention relates to a brazed heat exchanger (1) comprising: – a tube (2) bundle comprising a plurality of tubes (2) arranged parallel to one another, the said tube (2) bundle comprising inserts (6) arranged between the tubes (2), – two headers (3), one header (3) being arranged at each side of the tube (2) bundle, each header (3) comprising a header plate (4), the said header plate (4) comprising orifices into which the ends of the tubes (2) are introduced, and a rim (41) forming a groove (42) intended to accept a cover (8), and – at least one reinforcing plate (10) arranged between a header plate (4) and the inserts (6), parallel to the header plate (4) and brazed against at least part of the tubes (2) of the tube (2) bundle and the said header plate (4), the at least one reinforcing plate (10) comprising a lateral wall (101) extending towards the header plate (4) and at least partially covering the rim (41) of the header plate (4), the said lateral wall (101) being brazed against the said rim (41) of the header plate (4) so as to attach the reinforcing plate (10) to the header plate (4).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2018115692A1

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