

Title (en)

Heat exchanger with brazed plates

Title (de)

Wärmetauscher mit gelöteten Platten

Title (fr)

Echangeur de chaleur à plaques brasées

Publication

**EP 0738862 B1 19991201 (FR)**

Application

**EP 96400764 A 19960409**

Priority

FR 9504553 A 19950414

Abstract (en)

[origin: EP0738862A1] The exchanger consists of a series of plates (2, 2A, 2B) separated by spacers (3, 14), and a number of flat passages (4, 5) between the plates. Each primary passage (4) for circulating a diphase fluid lies adjacent to at least one secondary passage (5) carrying a heating or cooling fluid. At least one of the primary passages has a zone of increased section covering part of its length and collectors/evacuators (9, 10) for one of the two phases of the fluid. The plates (2A) delimiting the primary and secondary passages extend above the level of intermediate plates (2B) and bars (9) which mark the upper ends of the secondary passages.

IPC 1-7

**F28D 9/00**

IPC 8 full level

**F25J 3/00** (2006.01); **F28D 5/00** (2006.01); **F28D 9/00** (2006.01); **F28F 3/08** (2006.01)

CPC (source: EP US)

**F25J 5/002** (2013.01 - EP US); **F25J 5/005** (2013.01 - EP); **F28D 9/0068** (2013.01 - EP US); **F25J 2270/12** (2013.01 - EP US); **F25J 2290/32** (2013.01 - EP US); **F25J 2290/42** (2013.01 - EP US); **F28D 2021/0033** (2013.01 - EP US); **Y10S 62/903** (2013.01 - EP)

Cited by

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0738862 A1 19961023**; **EP 0738862 B1 19991201**; CN 1160185 A 19970924; DE 69605347 D1 20000105; DE 69605347 T2 20000511; FR 2733039 A1 19961018; FR 2733039 B1 19970704; JP H0979769 A 19970328; US 5682945 A 19971104

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