

Title (en)

Plate type heat exchanger, and method of manufacturing it.

Title (de)

Plattenwärmetauscher und Verfahren zu dessen Herstellung.

Title (fr)

Echangeur de chaleur à plaques et méthode pour sa fabrication.

Publication

EP 0566208 A1 19931020 (EN)

Application

EP 93201092 A 19930415

Priority

NL 9200698 A 19920416

Abstract (en)

In a plate type heat exchanger having a plurality of substantially parallel spaced apart plates (2), in particular of enamelled steel, spaces for two separate fluid flows are alternately formed between the plates. Adjacent plates (2) are joined at their edges, except for connecting openings, to form a plate pack. On at least two edges, the adjacent plates comprise connecting flanges (5, 6) bent over towards each other and being welded together. At least the connecting flanges (5, 6) of some of the adjacent plates are in flat abutting relationship and are welded together on their outer edges.
<IMAGE>

IPC 1-7

F28D 9/02; **F28F 3/10**

IPC 8 full level

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

CPC (source: EP)

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Citation (search report)

- [X] US 3274672 A 19660927 - FRANKLYN DORE
- [X] US 2959401 A 19601108 - BURTON JAMES C
- [X] FR 2318398 A1 19770211 - MUNTERS AB CARL [SE]
- [X] DE 4031436 A1 19920409 - BAVARIA ANLAGENBAU GMBH [DE]
- [X] EP 0165179 A1 19851218 - VICARB SA [FR]
- [Y] FR 2317617 A1 19770204 - ALUSUISSE [CH]
- [A] FR 2392349 A1 19781222 - PFAUDLER WERKE AG [DE]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 6, no. 253 (M-178)11 December 1982 & JP-A-57 149 083 14 September 1982

Cited by

EP1323998A3; EP1555500A3; FR2806469A1; FR2939879A1; KR102552970B1; GB2361991A; BE1021647B1; CN111433551A; US10094621B2; US6802365B2; US6460614B1; US9134073B2; US10054374B2; WO0171268A1; WO2014085874A3; WO2013189587A1; WO2010076477A1; US11867469B2

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