

Title (en)

Heat transfer plate.

Title (de)

Wärmeübertragungsplatte.

Title (fr)

Plaque pour transfer de chaleur.

Publication

**EP 0134155 A1 19850313 (EN)**

Application

**EP 84305698 A 19840821**

Priority

GB 8322580 A 19830823

Abstract (en)

A heat transfer plate for heat transfer apparatus, such as heat exchangers or evaporators is disclosed which is at least partially bounded by a groove (32) for receiving a gasket for general conformity therewith and to seal against an adjacent plate, wherein; the groove comprises an inner side wall and an outer side wall; the outer side wall of the groove is provided with a number of lateral bays (30), the gasket being formed with a number of corresponding spaced projections engaging in and matching with said bays; the base (33) of each bay is at a level other than the base (34) of the groove, and; each bay (30) does not communicate with the ambient thereby limiting movement of the gasket material along each said bay. The embodiments of the invention have a common feature that the gasket sealingly engages the rear wall (27). This engagement limits extrusion of the gasket material along the bay of the groove and thereby prevents <<blowing-out>> of the gasket at these points. Furthermore the floor of the bay, (40) is at a level other than the floor of the groove (42). This difference in level aids engagement between the gasket and the heat-transfer plate.

IPC 1-7

**F28F 3/10**

IPC 8 full level

**F28F 3/08** (2006.01); **F28F 3/10** (2006.01)

CPC (source: EP)

**F28F 3/10** (2013.01)

Citation (search report)

- [AD] US 4377204 A 19830322 - JOHANSSON KARL B V [SE]
- [A] FR 2156131 A1 19730525 - ALFA LAVAL AB
- [A] GB 513724 A 19391020 - ALUMINIUM PLANT & VESSEL CO
- [A] FR 2295389 A1 19760716 - APV CO LTD [GB]
- [A] GB 493490 A 19381010 - EDWIN PRESTAGE
- [A] GB 2028996 A 19800312 - APV CO LTD

Cited by

EP0730133A3; DE10035776C1; EP0600189A1; AU633197B2; EP0450188A1; WO9113310A1; US9212854B2; EP1176381A2; US6513584B2; EP2045557A1

Designated contracting state (EPC)

AT DE FR GB IT NL SE

DOCDB simple family (publication)

**EP 0134155 A1 19850313; EP 0134155 B1 19870715**; AT E28358 T1 19870815; BR 8407032 A 19850730; CA 1266044 A 19900220; DE 3464798 D1 19870820; DK 155469 B 19890410; DK 155469 C 19890814; DK 179685 A 19850422; DK 179685 D0 19850422; GB 2145511 A 19850327; GB 2145511 B 19860903; GB 8322580 D0 19830928; JP H0640682 U 19940531; JP H0717956 Y2 19950426; JP S61500035 A 19860109; KR 850700065 A 19851021; KR 930004211 B1 19930521; WO 8501100 A1 19850314

DOCDB simple family (application)

**EP 84305698 A 19840821**; AT 84305698 T 19840821; BR 8407032 A 19840822; CA 461671 A 19840823; DE 3464798 T 19840821; DK 179685 A 19850422; GB 8322580 A 19830823; GB 8400293 W 19840822; JP 454393 U 19930215; JP 50315684 A 19840822; KR 850700017 A 19850423