

Title (en)

A plate-type heat exchanger and related plates.

Title (de)

Plattenwärmetauscher und entsprechende Platten.

Title (fr)

Echangeur de chaleur à plaques et plaques correspondantes.

Publication

EP 0611941 A3 19950705 (EN)

Application

EP 94200302 A 19940203

Priority

IT MI930323 A 19930219

Abstract (en)

[origin: EP0611941A2] A plate-type heat exchanger for liquids comprising a plurality of ribbed plates of a first (1,51) and a second (21,62) type which are alternately juxtaposed to form flow chambers of a first and a second type, some ribs (10,11,12,13,52,53,54,55) of the plates of the first type (1,51) forming, in the chambers of the first type, a meander flow path duct in the plane of the plates having a length which far exceeds the dimensions of the plates (1,21,51,62) and the length of the flow chambers of the second type. <IMAGE>

IPC 1-7

F28D 9/00; **F28F 3/04**

IPC 8 full level

F28D 9/00 (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP)

F28D 9/005 (2013.01); **F28F 3/042** (2013.01)

Citation (search report)

- [XY] US 4249597 A 19810210 - CAREY VAN P [US]
- [YA] DE 3301211 A1 19840726 - FUNKE WAERME APPARATE KG [DE]
- [XY] CA 1189852 A 19850702 - KINETIC SYSTEMS INC
- [Y] GB 537477 A 19410624 - SEPARATOR AB
- [A] FR 2193189 A1 19740215 - PRZED DOSWIADCZALNE [PL]
- [A] WO 9211501 A1 19920709 - ALFA LAVAL THERMAL [SE]
- [A] FR 838905 A 19390320 - BERGEDORFER EISENWERK AG
- [A] WO 9113308 A1 19910905 - ALFA LAVAL THERMAL [SE]
- [A] DE 2733215 A1 19780309 - BORG WARNER
- [A] GB 2005398 A 19790419 - ALFA LAVAL AB

Cited by

EP3738657A1; WO2020229162A1; US6470836B1; EP1070928A4; EP0867679A3; EP1063486A1; FR2795165A1; EP1063488A1; FR2795167A1; FR2954480A1; EP1026467A3; EP1335173A3; DE19750748A1; DE19750748C2; US5638899A; AU707014B2; US5988269A; US2015285572A1; EP3040670A1; DE19709601A1; US6039112A; DE19709601C2; DE19709601C5; EP1184628A3; JP2009521659A; US6823934B2; AU2006327322B2; EP1691158A1; US7032654B2; US6182746B1; AU768717B2; FR2732452A1; AU768717C; JP2019530845A; EP1376042A3; CN113795318A; KR20220004181A; WO0046564A1; WO0144727A1; WO0192788A1; US6247528B1; US8109326B2; DE102012013755A1; DE102012013755B4; US11486657B2; WO9715798A1; WO2016110472A1; WO9859208A1; WO2011073083A1; JP2009521658A; FR2803025A1; WO2007073304A1; WO2007073305A1; WO2008113740A1

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