

Title (en)
PLATE HEAT EXCHANGER

Publication
EP 0111459 A3 19841227 (EN)

Application
EP 83830245 A 19831202

Priority
IT 956482 A 19821203

Abstract (en)
[origin: EP0111459A2] A plate-type heat exchanger, wherein, to induce turbulent flow condition in the circulating fluids, instead of the known, expensive corrugated plates, flat plates (1) are used in combination with discontinuous baffles (12) interposed between two contiguous plates. In particular, the discontinuous baffle (12) consists of a metal wire-net that, after mounting, is partly in contact with the surfaces of two facing plates. The plate-type exchanger according to the invention is appreciably less expensive than the corresponding presently available plate-type exchangers.

IPC 1-7
F28F 3/02

IPC 8 full level
F28F 3/02 (2006.01); **F28D 9/02** (2006.01); **F28F 3/08** (2006.01); **F28F 13/12** (2006.01)

CPC (source: EP)
F28F 3/022 (2013.01); **F28F 3/083** (2013.01); **F28F 13/12** (2013.01)

Citation (search report)

- [X] FR 2290646 A1 19760604 - COMMISSARIAT ENERGIE ATOMIQUE [FR]
- [Y] FR 2295769 A1 19760723 - MICRON ENG INC [CA]
- [X] GB 1302516 A 19730110
- [X] FR 1516735 A 19680205 - SNECMA
- [A] US 4088115 A 19780509 - POWELL CHARLES E
- [A] EP 0000992 A1 19790307 - DAVIDSON MAXWELL WINGATE

Cited by
US2016025422A1; US7032654B2; NL1027640C2; EP0183008A1; EP2977702A1; CN105783561A; US6994155B2; US6968892B1; WO9966280A1; WO0177602A1; WO0140730A1

Designated contracting state (EPC)
AT CH DE FR GB LI SE

DOCDB simple family (publication)
EP 0111459 A2 19840620; EP 0111459 A3 19841227; ES 527746 A0 19841101; ES 8501110 A1 19841101; IT 1192543 B 19880420; IT 8209564 A0 19821203; JP S59142382 A 19840815

DOCDB simple family (application)
EP 83830245 A 19831202; ES 527746 A 19831202; IT 956482 A 19821203; JP 22829283 A 19831202