

Title (en)
Multipass evaporator.

Title (de)
Vielzug-Verdampfer.

Title (fr)
Evaporateur à passes multiples.

Publication
EP 0442646 A2 19910821 (EN)

Application
EP 91300922 A 19910205

Priority
US 47862690 A 19900212

Abstract (en)
The performance of an evaporator made up of a plurality of heat exchange modules or units each having elongated, parallel upper and lower headers (14, 30) and a plurality of tubes (40) mounted between the headers (14, 30) with fins (44) extending between adjacent tubes (40) may be improved through the use of upper and lower manifolds (20, 36) wherein the upper manifold (20) is in communication with the upper headers (14) at one end (19) thereof and the lower manifold (36) is in fluid communication with the lower headers (30) at an end (34) thereof corresponding to the one end (19). <IMAGE>

IPC 1-7
F28D 1/04; **F28D 1/053**; **F28F 9/02**

IPC 8 full level
F25B 39/02 (2006.01); **F28D 1/053** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP KR)
F28D 1/00 (2013.01 - KR); **F28D 1/0535** (2013.01 - EP); **F28F 9/0212** (2013.01 - EP); **F28D 2021/0084** (2013.01 - EP);
F28D 2021/0094 (2013.01 - EP)

Cited by
EP0945696A1; EP1070929A3; DE4305060A1; DE4305060C2; WO0177591A1

Designated contracting state (EPC)
AT DE ES FR GB IT NL SE

DOCDB simple family (publication)
EP 0442646 A2 19910821; **EP 0442646 A3 19920108**; AU 633399 B2 19930128; AU 7096391 A 19910815; BR 9100558 A 19911029;
CA 2035590 A1 19910813; JP 3044074 B2 20000522; JP H051864 A 19930108; KR 100237866 B1 20000115; KR 910015835 A 19910930

DOCDB simple family (application)
EP 91300922 A 19910205; AU 7096391 A 19910211; BR 9100558 A 19910208; CA 2035590 A 19910204; JP 3897291 A 19910212;
KR 910002242 A 19910211