

Title (en)
Heat exchanger and process for manufacturing same

Title (de)
Wärmetauscher und ein Verfahren zur Herstellung eines Wärmetauschers

Title (fr)
Echangeur de chaleur et son procédé de fabrication

Publication
EP 0775884 A3 19971029 (DE)

Application
EP 96116846 A 19961019

Priority
DE 19543986 A 19951125

Abstract (en)
[origin: EP0775884A2] The heat exchanger has parallel pipes (11), whose cross section is in the shape of a rectangle or a flat oval, and which have long (14) and narrow (15) sides. The pipes extend between first and second collection tanks, and have corrugated ribs (21). The ends (16) of each pipe are widened in a direction which is normal to the long sides, so that at least one first side of each end forms a long connecting surface (17) on which an adjacent pipe end can be laid, and to which the latter can be connected. At least one second side of each pipe end forms a short connecting surface on which the tank can be laid, and to which the latter can be connected.

IPC 1-7
F28F 1/02; **F28F 9/18**

IPC 8 full level
F28F 9/013 (2006.01); **B23K 1/00** (2006.01); **F28D 1/04** (2006.01); **F28D 1/053** (2006.01); **F28F 1/02** (2006.01); **F28F 1/04** (2006.01); **F28F 9/02** (2006.01); **F28F 9/18** (2006.01); **F28F 9/26** (2006.01); **F28F 21/06** (2006.01)

CPC (source: EP US)
F28D 1/0408 (2013.01 - EP US); **F28D 1/0435** (2013.01 - EP US); **F28D 1/05366** (2013.01 - EP US); **F28F 1/025** (2013.01 - EP US); **F28F 1/045** (2013.01 - EP US); **F28F 9/0221** (2013.01 - EP US); **F28F 9/0226** (2013.01 - EP US); **F28F 9/182** (2013.01 - EP US); **F28D 2021/0084** (2013.01 - EP US); **F28F 21/067** (2013.01 - EP US); **Y10S 165/488** (2013.01 - EP US)

Citation (search report)
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EP 96116846 A 19961019; DE 19543986 A 19951125; DE 59611193 T 19961019; ES 96116846 T 19961019; JP 2001009129 A 20010117; JP 32337896 A 19961120; US 15889602 A 20020603; US 75214796 A 19961119; US 94440204 A 20040920