

Title (en)
RIBBED HEAT EXCHANGER

Title (de)
RIPPENWÄRMETAUSCHER

Title (fr)
ECHANGEUR THERMIQUE LAMELLAIRE

Publication
EP 0721560 A1 19960717 (EN)

Application
EP 94929089 A 19941006

Priority
• SE 9400934 W 19941006
• SE 9303268 A 19931006

Abstract (en)
[origin: WO9510016A1] The invention relates to a cross-flow heat exchanger with a number of parallel plates which constitute partitions between channels for the two heat-exchange media. The plates are essentially of the same construction, and comprise a preferably rectangular surface (5) provided with slits (6) in the corner portions and with edge portions (7, 8; 13, 14) bent into L-shape, the outermost edge portion being co-planar with the surface (5). The slits (6) extend at an angle to the edge portions (7, 8; 13, 14) of the plate. Two opposite edge portions (7, 8) are bent in the same direction in relation to said surface (5), while the two remaining edges are bent in the opposite direction. By turning every second plate upside down, the plates (1-4) may be stacked in such a way that alternate channels (20, 21) are formed when the outermost edge portions (11, 12) are joined to the respective adjacent edge portions. Sealing strips (19) are inserted into the corner slits (6).

IPC 1-7
F28F 3/08

IPC 8 full level
F28D 9/00 (2006.01); **F28F 9/00** (2006.01)

CPC (source: EP)
F28D 9/0037 (2013.01); **F28D 9/0062** (2013.01); **F28F 9/001** (2013.01); **F28F 2230/00** (2013.01); **F28F 2275/025** (2013.01)

Citation (search report)
See references of WO 9510016A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9510016 A1 19950413; EP 0721560 A1 19960717; FI 961523 A0 19960404; FI 961523 A 19960530; SE 510219 C2 19990503; SE 9303268 D0 19931006; SE 9303268 L 19950407

DOCDB simple family (application)
SE 9400934 W 19941006; EP 94929089 A 19941006; FI 961523 A 19960404; SE 9303268 A 19931006