

Title (en)  
PLATE-TYPE HEAT EXCHANGER

Publication  
**EP 0274058 A3 19880720 (DE)**

Application  
**EP 87117744 A 19871201**

Priority  
DE 3641458 A 19861204

Abstract (en)  
[origin: US4854382A] A plate heat exchanger comprising aligned flat heat transfer plates and patterned profiled turbulence plates interposed as spacers between the heat transfer plates. All plates have openings or ports at each of the four corners, some of which are sealed at their periphery so as to direct fluid flow through the flow slits between the heat transfer plates. The gasket seals are part of the turbulence plates and are secured thereto by interlocking corrugations, grooves or keys.

IPC 1-7  
**F28F 3/08**; **F28F 3/10**; **F28F 13/12**

IPC 8 full level  
**F28D 9/00** (2006.01); **F28F 3/02** (2006.01); **F28F 3/08** (2006.01); **F28F 3/10** (2006.01); **F28F 13/12** (2006.01)

CPC (source: EP US)  
**F28F 3/027** (2013.01 - EP US); **F28F 3/083** (2013.01 - EP US); **F28F 3/10** (2013.01 - EP US); **F28F 13/12** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**DE 3641458 A1 19880609**; **DE 3641458 C2 19910328**; EP 0274058 A2 19880713; EP 0274058 A3 19880720; JP S63197880 A 19880816; US 4854382 A 19890808

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**DE 3641458 A 19861204**; EP 87117744 A 19871201; JP 30606187 A 19871204; US 12748287 A 19871201