

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Echangeur de chaleur

Publication  
**EP 1361406 A2 20031112 (EN)**

Application  
**EP 03252876 A 20030508**

Priority  
GB 0210434 A 20020508

Abstract (en)  
A multi-plate dual flow path heat exchanger includes a plurality of stacked plates (70) each having a central section (71) provided with a number of longitudinal channels (72) separated by upstanding zig-zag walls (75), the channels (72) being provided on their floors (72A) with ridges (74), the floors and the ridges being of undulating form along the flow paths. Shallow ribs (75) extend laterally across the flow paths and in combination with the undulations assist in disruption of boundary layer flow. <IMAGE>

IPC 1-7  
**F28F 3/04**; **F28D 9/00**

IPC 8 full level  
**F28F 3/08** (2006.01); **F28D 9/00** (2006.01); **F28F 3/04** (2006.01); **F28F 13/12** (2006.01)

CPC (source: EP KR US)  
**F28D 9/0031** (2013.01 - EP US); **F28D 9/0068** (2013.01 - EP US); **F28F 3/046** (2013.01 - EP US); **F28F 3/08** (2013.01 - KR);  
**F28F 2250/108** (2013.01 - EP US)

Citation (applicant)  
GB 121865 A 19190109 - SEYMOUR-JONES ALFRED

Cited by  
EP4180757A4; RU2673375C2; WO2018132014A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1361406 A2 20031112**; **EP 1361406 A3 20050209**; CA 2428239 A1 20031108; CN 1495393 A 20040512; GB 0210434 D0 20020612;  
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JP 2003129384 A 20030507; KR 20030028847 A 20030507; US 43157403 A 20030508