

Title (en)  
Plate-fin type heat exchanger

Title (de)  
Rippenplatten-Wärmetauscher

Title (fr)  
Echangeur de chaleur avec ailettes à plaques

Publication  
**EP 0803695 A3 19980826 (EN)**

Application  
**EP 97106901 A 19970425**

Priority  
• JP 10522896 A 19960425  
• JP 8415497 A 19970402

Abstract (en)  
[origin: EP0803695A2] Clearance holding portions (28) for holding a clearance between the adjacent plate fins (12) are spaced from side edges of louvers (26) by a predetermined distance (L) in a direction perpendicular to a flowing direction of air and disposed at an upstream side of tubes in the flowing direction of the air. In this way, air flowing between the adjacent plate fins (12) flows through the louvers (26) without being disturbed by the clearance holding portions (28), so that an effect of the louvers (26) for improving the heat exchange performance can be maintained sufficiently.  
<IMAGE>

IPC 1-7  
**F28F 1/32**

IPC 8 full level  
**F28F 1/32** (2006.01)

CPC (source: EP KR)  
**F28D 1/00** (2013.01 - KR); **F28F 1/325** (2013.01 - EP); **F28F 2240/00** (2013.01 - EP)

Citation (search report)  
• [XY] GB 1313974 A 19730418 - HUTOGEPGYAR  
• [Y] EP 0672882 A1 19950920 - BEHR GMBH & CO [DE]  
• [A] EP 0086559 A2 19830824 - UNIPART GROUP LTD [GB]  
• [X] PATENT ABSTRACTS OF JAPAN vol. 018, no. 418 (M - 1650) 5 August 1994 (1994-08-05)  
• [DA] PATENT ABSTRACTS OF JAPAN vol. 007, no. 240 (M - 251) 25 October 1983 (1983-10-25)

Cited by  
FR2937719A1; WO2010049261A1; EP2452148A1

Designated contracting state (EPC)  
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DOCDB simple family (application)  
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