

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)
DE ES FR GB IT

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EP 0803695 A2 19971029; EP 0803695 A3 19980826; EP 0803695 B1 20030618; DE 69722847 D1 20030724; DE 69722847 T2 20040513; ES 2196210 T3 20031216; JP H109787 A 19980116; KR 100242760 B1 20000302; KR 19980078062 A 19981116

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