

Title (en)  
Metallic fin for a heat exchanger

Title (de)  
Metallische Rippe für einen Wärmetauscher

Title (fr)  
Ailette métallique pour un échangeur de chaleur

Publication  
**EP 0849558 B1 20030416 (FR)**

Application  
**EP 97121211 A 19971203**

Priority  
FR 9615584 A 19961218

Abstract (en)  
[origin: EP0849558A1] The fin assembly consists of a central section (12) with at least one set (6) of fixed inclined fins (7), separated by gaps (8) to allow a passage for a fluid between them. The fins in the fixed set (6) are divided into at least two groups inclined in opposite directions, and with the fins in each of the groups being inclined at different angles, e.g. at 20 degrees , 24 degrees and 28 degrees . Sets of fins between and outside the inclined groups are made with both flat (11) and inclined (9,10) sections.

IPC 1-7  
**F28F 1/12**; **F28F 1/32**

IPC 8 full level  
**B60H 1/32** (2006.01); **F28F 1/12** (2006.01); **F28F 1/30** (2006.01); **F28F 1/32** (2006.01)

CPC (source: EP US)  
**F28F 1/128** (2013.01 - EP US); **F28F 1/325** (2013.01 - EP US); **F28F 2215/04** (2013.01 - EP US); **Y10S 165/487** (2013.01 - EP US)

Citation (examination)  
US 5289874 A 19940301 - KADLE PRASAD S [US], et al

Cited by  
WO0055560A1; WO03062731A1

Designated contracting state (EPC)  
DE ES GB IT SE

DOCDB simple family (publication)  
**EP 0849558 A1 19980624**; **EP 0849558 B1 20030416**; DE 69720935 D1 20030522; DE 69720935 T2 20040311; ES 2200112 T3 20040301; FR 2757259 A1 19980619; FR 2757259 B1 19990305; JP H10185478 A 19980714; US 2003079868 A1 20030501; US 6543527 B1 20030408

DOCDB simple family (application)  
**EP 97121211 A 19971203**; DE 69720935 T 19971203; ES 97121211 T 19971203; FR 9615584 A 19961218; JP 34914197 A 19971218; US 30483602 A 20021126; US 99171797 A 19971216