

Title (en)

Fin for heat exchanger and heat exchanger using the fin

Title (de)

Lamelle für Wärmetauscher und Wärmetauscher mit einer solchen Lamelle

Title (fr)

Ailette pour échangeur thermique et échangeur thermique utilisant l'aillette

Publication

**EP 2236971 A3 20140305 (EN)**

Application

**EP 10003127 A 20100324**

Priority

CN 200910119663 A 20090325

Abstract (en)

[origin: EP2236971A2] The present invention discloses a fin for a heat exchanger, the fin comprises a plurality of fin plates (10) which are adjacent to one another, each of the fin plates (10) is formed with louvers (20); and a connecting portion which connects adjacent fin plates at an end of the adjacent fin plates. The connecting portion comprises a middle curved section (31) and side curved sections (32) located on the sides of the middle curved section (31), and the curvature radius of the middle curved section (31) is larger than the curvature radius of the side curved sections (32). With the technical solution of the invention, since the contact area between the flat tubes and the fin increases, the fin efficiency is increased and thus the heat exchange performance of the heat exchanger is enhanced.

IPC 8 full level

**F28F 1/12** (2006.01)

CPC (source: EP US)

**F28F 1/128** (2013.01 - EP US); **F28F 2215/08** (2013.01 - EP US)

Citation (search report)

- [XII] FR 2854235 A1 20041029 - VALEO CLIMATISATION [FR]
- [XII] JP H05154592 A 19930622 - SHOWA ALUMINUM CORP
- [XII] FR 2798990 A1 20010330 - DENSO CORP [JP]
- [XII] WO 2004013559 A1 20040212 - BEHR GMBH & CO [DE], et al
- [XII] JP H01305296 A 19891208 - DIESEL KIKI CO

Designated contracting state (EPC)

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Designated extension state (EPC)

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