

Title (en)

HEAT EXCHANGER FIN, HEAT EXCHANGER, CONDENSERS, AND EVAPORATORS

Title (de)

WÄRMETAUSCHERRIPPE, WÄRMETAUSCHER, KONDENSATOREN UND VERDAMPFER

Title (fr)

AILETTE D'ECHANGEUR DE CHALEUR, ECHANGEUR DE CHALEUR, CONDENSEURS ET EVAPORATEURS

Publication

**EP 1625340 A1 20060215 (EN)**

Application

**EP 04733971 A 20040519**

Priority

- JP 2004007160 W 20040519
- JP 2003140400 A 20030519
- US 47836003 P 20030616

Abstract (en)

[origin: WO2004102102A1] This invention provides a heat exchanger fin capable of improving heat transfer rate while preventing generation of heat bypass flow. The invention relates to a heat exchanger fin such as a louver fin 4 provided with a plurality louvers 5 arranged at certain intervals in the introduction direction X of air A, the louvers being formed by cutting and bending the heat exchanger fin so that the air A is passed while being guided by the louvers 5. The plurality of louvers 5 include louvers different in louver width, the louver width being defined by a length of the louver along which the heat medium passes, and the wide louver and the narrow louver are arranged alternatively.

IPC 1-7

**F28F 1/30**

IPC 8 full level

**F28F 1/12** (2006.01)

CPC (source: EP KR)

**F25B 39/00** (2013.01 - KR); **F28F 1/10** (2013.01 - KR); **F28F 1/128** (2013.01 - EP); **F28F 1/30** (2013.01 - KR); **F28F 1/32** (2013.01 - KR); **F28F 2215/04** (2013.01 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2004102102 A1 20041125**; AU 2004239162 A1 20041125; EP 1625340 A1 20060215; EP 1625340 A4 20090121; KR 20060012303 A 20060207

DOCDB simple family (application)

**JP 2004007160 W 20040519**; AU 2004239162 A 20040519; EP 04733971 A 20040519; KR 20057021965 A 20051118