

Title (en)

Fin and heat exchanger comprising the same

Title (de)

Lamelle und Wärmetauscher umfassend eine solche Lamelle

Title (fr)

Ailette et échangeur thermique comprenant cette ailette

Publication

EP 2402699 A3 20140409 (EN)

Application

EP 11003220 A 20110416

Priority

CN 201010215928 A 20100629

Abstract (en)

[origin: EP2402699A2] A corrugated fin (4) comprises connection segments (42) each formed with a plurality of louvers (43); and substantially-circular arc segments (41) connected with the connection segments (42) alternatively in a longitudinal direction such that a plurality of corrugations are formed and the substantially-circular arc segments (41) form crests and troughs of the corrugations respectively, wherein $0 \leq H_2 \leq H_1 - 2R + 2R \sin^2 \theta$, in which H_2 is a louver length of the louver (43), H_1 is a height of the fin (4), R is a radius of the substantially-circular arc segment (41), and θ is an inclination angle of the connection segment (42).

IPC 8 full level

F28F 1/12 (2006.01); **F28D 1/053** (2006.01)

CPC (source: EP US)

F28D 1/05375 (2013.01 - EP US); **F28F 1/128** (2013.01 - EP US); **F28D 2001/0266** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2402699 A2 20120104; **EP 2402699 A3 20140409**; CN 101865625 A 20101020; CN 101865625 B 20120905; US 2011315362 A1 20111229

DOCDB simple family (application)

EP 11003220 A 20110416; CN 201010215928 A 20100629; US 201113074104 A 20110329