Title (en)

Fin for a heat exchanger and manufacturing method

Title (de)

Rippe für einen Wärmetauscher und Herstellungsverfahren

Title (fr)

Ailette pour un échangeur thermique et procédé de fabrication

Publication

EP 2096397 A3 20130717 (DE)

Application

EP 08017257 A 20081001

Priority

DE 102007048307 A 20071008

Abstract (en)

[origin: US2009090497A1] The invention relates to a fin for a heat exchanger, comprising a fin element which extends in the flow direction of a first fluid and has a wall face around which the first fluid flows on both sides, wherein at least one flap is provided in the wall face, which flap forms a cutout, through which the first fluid can flow, in the wall face, wherein a first edge of the flap for forming the cutout is arranged spaced apart from the wall face, wherein the flap has a tab face which is inclined with respect to the wall face and terminates at the first edge, wherein the tab face is connected to the wall face via at least one side wall, extending with a curved profile, of the flap, which side wall, starting at the first edge, has a height which decreases in a way which corresponds to the inclination of the tab face.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

US 2009090497 A1 20090409; **US 8267161 B2 20120918**; DE 102008049851 A1 20090702; EP 2096397 A2 20090902; EP 2096397 A3 20130717; EP 2096397 B1 20150121

DOCDB simple family (application)

US 24782208 A 20081008; DE 102008049851 A 20081001; EP 08017257 A 20081001