

Title (en)
FIN FOR A HEAT EXCHANGER

Title (de)
RIPPE FÜR EINEN WÄRMETAUSCHER

Title (fr)
AILETTE POUR UN ÉCHANGEUR DE CHALEUR

Publication
EP 2185884 B1 20110105 (DE)

Application
EP 08784947 A 20080722

Priority
• EP 2008005983 W 20080722
• DE 102007036308 A 20070731

Abstract (en)
[origin: US2010193172A1] A fin for a heat exchanger is provided that includes a fin element which extends in a 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 straight edge of the flap extends substantially perpendicularly to the flow direction and is arranged at a distance from the wall face in order to form the cutout, wherein the flap has an inclined, smooth tab face which terminates at the first straight edge, and wherein the tab face is connected to the wall face via two side walls of the tab, which side walls have a curved profile mirror-symmetrically with respect to each other and, starting from the first edge, have a height which decreases in a manner corresponding to the inclination of the tab face.

IPC 8 full level
F28F 1/12 (2006.01); **F28F 1/32** (2006.01); **F28F 3/02** (2006.01)

CPC (source: EP US)
F28F 1/128 (2013.01 - EP US); **F28F 1/325** (2013.01 - EP US); **F28F 3/027** (2013.01 - EP US)

Cited by
EP2096397A3

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

DOCDB simple family (publication)
US 2010193172 A1 20100805; AT E494521 T1 20110115; CN 101790671 A 20100728; CN 101790671 B 20120627; DE 102007036308 A1 20090205; DE 502008002244 D1 20110217; EP 2185884 A1 20100519; EP 2185884 B1 20110105; WO 2009015805 A1 20090205; WO 2009015805 A8 20100624

DOCDB simple family (application)
US 69758610 A 20100201; AT 08784947 T 20080722; CN 200880101027 A 20080722; DE 102007036308 A 20070731; DE 502008002244 T 20080722; EP 08784947 A 20080722; EP 2008005983 W 20080722