

Title (en)
Fin and heat exchanger having the same

Title (de)
Lamelle und Wärmetauscher damit

Title (fr)
Ailette et échangeur thermique les comprenant

Publication
EP 2295919 A3 20140326 (EN)

Application
EP 10007986 A 20100730

Priority
CN 200910162388 A 20090813

Abstract (en)
[origin: US2011036550A1] A fin includes straight segments and substantially circular arc segments connected with the straight segments in turn along a longitudinal direction such that the arc segments form respective wave crests and wave troughs of the fin. The fin is divided in a lateral direction into first and second end portions and an intermediate portion between the first and second end portions. Each arc segment at least forming the wave troughs in the first end portion is separated from the respective arc segment of the corresponding intermediate portion via a longitudinal slot. A top of each arc segment at least forming the wave troughs in the first end portion is formed with a lateral slot along the lateral direction such that each arc segment at least forming the wave troughs in the first end portion is divided into first and second straight portions separated from each other.

IPC 8 full level
F28F 1/12 (2006.01); **F28F 17/00** (2006.01)

CPC (source: EP US)
F28F 1/128 (2013.01 - EP US); **F28F 17/005** (2013.01 - EP US)

Citation (search report)

- [X] EP 1586844 A1 20051019 - T RAD CO LTD [JP]
- [A] US 6213196 B1 20010410 - OZAKI TATSUO [JP], et al
- [A] US 2004206484 A1 20041021 - SHIMOYA MASAHIRO [JP], et al
- [A] US 5787972 A 19980804 - BEAMER HENRY EARL [US], et al
- [A] EP 1832832 A1 20070912 - SANDEN CORP [JP]

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
US 2011036550 A1 20110217; CN 101619950 A 20100106; CN 101619950 B 20110504; EP 2295919 A2 20110316; EP 2295919 A3 20140326; EP 2295919 B1 20150617

DOCDB simple family (application)
US 80632310 A 20100810; CN 200910162388 A 20090813; EP 10007986 A 20100730