

Title (en)  
Hollow profile for heat exchanger

Title (de)  
Hohlprofil für Wärmetauscher

Title (fr)  
Profilé creux pour échangeur de chaleur

Publication  
**EP 2407743 A3 20180704 (DE)**

Application  
**EP 11005336 A 20110630**

Priority  
DE 202010010187 U 20100714

Abstract (en)  
[origin: EP2407743A2] The profile has a flat base profile (10) with an outer wall comprising upper and lower breadth sides (31, 32), which form upper side (35) and a lower side (36) and narrow sides (33, 34). The outer wall defines a channel for a heat exchange medium. The upper breadth side is designed such that the upper side is convexed upwards and breadth, which is determined by a distance of the narrow sides, of the base profile is smaller than a longitudinal expansion (L1) of the upper breadth side in transverse direction of the base profile. An independent claim is also included for a heat exchanger made of aluminum or an aluminum alloy and comprising a flat hollow profile.

IPC 8 full level  
**F28F 1/02** (2006.01); **F28D 1/02** (2006.01); **F28D 1/053** (2006.01); **F28F 1/12** (2006.01); **F28F 1/40** (2006.01); **F28F 19/00** (2006.01)

CPC (source: EP)  
**F28D 1/05391** (2013.01); **F28F 1/022** (2013.01); **F28F 1/40** (2013.01); **F28D 2001/0273** (2013.01); **F28F 1/126** (2013.01); **F28F 19/00** (2013.01); **F28F 2255/16** (2013.01); **F28F 2275/12** (2013.01)

Citation (search report)

- [XII] EP 1248063 A1 20021009 - BEHR GMBH & CO [DE]
- [XAI] US 2010115771 A1 20100513 - JOHNSON MARK [US], et al
- [XAI] US 2004069472 A1 20040415 - SHIMOYA MASAHIRO [JP]
- [XA] WO 0216834 A2 20020228 - ENGINEERED DYNAMICS CORP [US], et al
- [XA] DE 102007023361 A1 20081120 - MODINE MFG CO [US]
- [XA] DE 102008020230 A1 20081030 - BEHR GMBH & CO KG [DE]

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)  
**DE 202010010187 U1 20101014**; EP 2407743 A2 20120118; EP 2407743 A3 20180704

DOCDB simple family (application)  
**DE 202010010187 U 20100714**; EP 11005336 A 20110630