

Title (en)

Method for making a corrugated fin and heat exchange block containing these corrugated fins

Title (de)

Verfahren zum Herstellen einer Wellrippe und Wärmeübertragerblock mit nach dem Verfahren hergestellten Wellrippen

Title (fr)

Méthode de fabrication des ailettes ondulées et bloc d'échangeur de chaleur comprenant des ailettes ondulées produit en appliquant cette méthode

Publication

EP 1647341 A2 20060419 (DE)

Application

EP 05021790 A 20051006

Priority

DE 102004050160 A 20041014

Abstract (en)

The method involves corrugated ribs which are continuous and thermal barrier is present between first and second set of pipes. A metal band (9) is arranged in which gills (11) are cut and the band is separated from neighboring gills and is drawn transverse to longitudinal direction (W). An independent claim is also included for the heat exchanger block.

IPC 8 full level

B21D 53/08 (2006.01)

CPC (source: EP)

B21D 53/08 (2013.01); **F28D 1/0408** (2013.01); **F28F 1/128** (2013.01)

Citation (applicant)

- DE 19722097 A1 19981203 - BEHR GMBH & CO [DE]
- DE 19808202 A1 19990902 - BEHR GMBH & CO [DE]
- EP 0367078 A1 19900509 - SANDEN CORP [JP]
- EP 0431917 A1 19910612 - SHOWA ALUMINIUM CO LTD [JP]
- EP 1164345 A1 20011219 - DENSO CORP [JP]
- EP 1241424 A2 20020918 - CALSONIC KANSEI CORP [JP]
- EP 1176378 A1 20020130 - VALEO THERMIQUE MOTEUR SA [FR]

Cited by

CN104995471A; WO2014126634A1

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

EP 1647341 A2 20060419; **EP 1647341 A3 20060531**; **EP 1647341 B1 20080312**; DE 102004050160 A1 20060427;
DE 502005003178 D1 20080424

DOCDB simple family (application)

EP 05021790 A 20051006; DE 102004050160 A 20041014; DE 502005003178 T 20051006