

Title (en)

METHOD FOR MAKING A VANE AND DEVICE FOR IMPLEMENTING SAID METHOD

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER LEITSCHAUFEL UND VORRICHTUNG ZUR ANWENDUNG DIESES VERFAHRENS

Title (fr)

PROCEDE DE FABRICATION D'UNE AILETTE ET DISPOSITIF POUR LA MISE EN OEUVRE D'UN TEL PROCEDE

Publication

**EP 2249979 A1 20101117 (FR)**

Application

**EP 09715691 A 20090227**

Priority

- EP 2009052404 W 20090227
- FR 0801051 A 20080227

Abstract (en)

[origin: WO2009106630A1] The invention relates to a method for making a vane (4), having a width l and including corrugations (20) for a heat exchanger, that comprises at least the step of splitting a metal sheet (2) into at least two strips (4) having a width l, and the step of folding the strips (4) having a width l in order to form the corrugations (20). The metal sheet splitting and folding steps are carried out simultaneously. The invention also relates to a device for implementing said method, and to a vane and a heat exchanger obtained by said method. The invention can particularly be used in the automotive industry.

IPC 8 full level

**B21D 13/04** (2006.01); **B23D 19/04** (2006.01)

CPC (source: EP US)

**B21D 13/04** (2013.01 - EP US); **B23D 19/00** (2013.01 - EP US); **B23D 35/001** (2013.01 - EP US); **Y10T 29/18** (2015.01 - EP US);  
**Y10T 29/4935** (2015.01 - EP US); **Y10T 29/51** (2015.01 - EP US)

Citation (search report)

See references of WO 2009106630A1

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**FR 2927829 A1 20090828; FR 2927829 B1 20100604;** EP 2249979 A1 20101117; JP 2011513066 A 20110428; US 2011041338 A1 20110224;  
US 8595932 B2 20131203; WO 2009106630 A1 20090903

DOCDB simple family (application)

**FR 0801051 A 20080227;** EP 09715691 A 20090227; EP 2009052404 W 20090227; JP 2010548130 A 20090227; US 91930209 A 20090227