

Title (en)

MOULD FOR ELEMENTS OF BIMETAL RADIATORS AND RELATED METHOD

Title (de)

FORM FÜR ELEMENTE VON BIMETALLISCHEN HEIZKÖRPERN UND ENTSPRECHENDES VERFAHREN

Title (fr)

MOULE POUR ÉLÉMENTS DE RADIATEURS BIMÉTALLIQUES ET PROCÉDÉ CORRESPONDANT

Publication

EP 3237130 A1 20171101 (EN)

Application

EP 15820270 A 20151203

Priority

- IT BS20140216 A 20141222
- IB 2015059315 W 20151203

Abstract (en)

[origin: WO2016103086A1] A mould is described for producing modular elements of bimetal radiators, i.e. which are provided with an insert constituting the steel inner core and an aluminium radiant outer coating. The mould is designed for making the modular elements by die- casting, and is constituted by two mould halves that can be closed one against the other in order to negatively define the cast or impression to produce. Advantageously, with respect to known solutions the mould of the present invention differs by having four casts or impressions rather than the conventional two, and a retaining system to retain the metal inserts on board of the same mould half provided with the system for ejecting the modular elements. This allows automating the moulding process and doubling the productivity.

IPC 8 full level

B22D 17/22 (2006.01); **B22D 17/24** (2006.01); **B22D 17/26** (2006.01); **B22D 19/00** (2006.01); **F28D 1/00** (2006.01)

CPC (source: EP)

B22D 17/2218 (2013.01); **B22D 17/2236** (2013.01); **B22D 17/2272** (2013.01); **B22D 17/24** (2013.01); **B22D 17/26** (2013.01); **B22D 19/0063** (2013.01); **B22D 19/0072** (2013.01); **F28D 1/05308** (2013.01); **F28F 21/082** (2013.01); **F28F 21/084** (2013.01); **F28D 2021/0035** (2013.01); **F28F 2255/146** (2013.01)

Citation (search report)

See references of WO 2016103086A1

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)

WO 2016103086 A1 20160630; EA 033255 B1 20190930; EA 201791403 A1 20171031; EP 3237130 A1 20171101

DOCDB simple family (application)

IB 2015059315 W 20151203; EA 201791403 A 20151203; EP 15820270 A 20151203