

Title (en)

METHOD FOR PRODUCING A FLAT PRODUCT FROM AN IRON-BASED SHAPE MEMORY ALLOY

Title (de)

VERFAHREN ZUR ERZEUGUNG EINES FLACHPRODUKTES AUS EINER EISENBASIERTEN FORMGEDÄCHTNISLEGIERUNG

Title (fr)

PROCÉDÉ DE FABRICATION D'UN PRODUIT PLAT À PARTIR D'UN ALLIAGE A MEMOIRE DE FORME À BASE DE FER

Publication

EP 3019292 A1 20160518 (DE)

Application

EP 13741744 A 20130724

Priority

- EP 13175870 A 20130710
- EP 2013065656 W 20130724
- EP 13741744 A 20130724

Abstract (en)

[origin: WO2015003755A1] The invention relates to a method for producing a flat product from an iron-based shape memory alloy, in which a melt containing at least, as a main constituents, iron, alloy elements and inevitable impurities, is cast in a casting device in order to form a cast strip which is then cooled. The aim of the invention is to provide economical methods for producing flat products from an iron-based shape memory alloy, which are rigid and can take pressure and torsion. The inventive method is described in claim 1.

IPC 8 full level

B22D 11/06 (2006.01); **B21B 1/46** (2006.01); **B22D 11/12** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22F 1/00** (2006.01)

CPC (source: EP US)

B21B 1/46 (2013.01 - US); **B22D 11/001** (2013.01 - US); **B22D 11/041** (2013.01 - US); **B22D 11/0622** (2013.01 - EP US); **B22D 11/1206** (2013.01 - EP US); **C21D 6/004** (2013.01 - EP US); **C21D 6/005** (2013.01 - EP US); **C21D 6/007** (2013.01 - EP US); **C21D 6/008** (2013.01 - EP US); **C21D 8/0205** (2013.01 - EP US); **C21D 8/0226** (2013.01 - EP US); **C21D 8/0236** (2013.01 - EP US); **C21D 9/46** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/002** (2013.01 - EP US); **C22C 38/34** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/46** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **C22C 38/52** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP US); **C22F 1/006** (2013.01 - EP US); **B21B 1/463** (2013.01 - EP US)

Citation (search report)

See references of WO 2015003755A1

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 2015003755 A1 20150115; CN 105377472 A 20160302; CN 105377472 B 20180102; EP 3019292 A1 20160518; EP 3019292 B1 20190227; JP 2016531001 A 20161006; JP 6434969 B2 20181205; KR 102079847 B1 20200220; KR 20160030505 A 20160318; US 10450624 B2 20191022; US 2016145708 A1 20160526

DOCDB simple family (application)

EP 2013065656 W 20130724; CN 201380078097 A 20130724; EP 13741744 A 20130724; JP 2016524695 A 20130724; KR 20167000268 A 20130724; US 201314903551 A 20130724