

Title (en)

DEVICE AND METHOD FOR GENERATING AT LEAST ONE METALLIC COMPONENT

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERSTELLUNG ZUMINDEST EINES METALLISCHEN BAUTEILS

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR LA RÉALISATION D'AU MOINS UNE PIÈCE MÉTALLIQUE

Publication

**EP 3164235 A1 20170510 (DE)**

Application

**EP 15729746 A 20150518**

Priority

- AT 504642014 A 20140703
- AT 2015050125 W 20150518

Abstract (en)

[origin: WO2016000006A1] The invention relates to a device for generating at least one metallic component by injecting flowable metallic material into at least one cavity of a multi-part mould, comprising a conveying device for the flowable metallic material, at least one nozzle (7) arranged downstream of the conveying device and the mould with the at least one cavity, wherein there is connected to the conveying device a distributor unit (8) with multiple nozzles (7), via which the flowable metallic material can be injected under pressure into the at least one cavity in order to fill at least one or multiple cavities at the same time via individual nozzles (7). In order to achieve, even with the provided multiple nozzles (7), properly controllable filling of the at least one or multiple cavities, according to the invention ducts (10) of the distributor unit (8) are formed without right-angle corners. Furthermore, the invention relates to a method for casting at least one metallic component.

IPC 8 full level

**B22D 17/20** (2006.01); **B22D 17/00** (2006.01); **B22D 17/22** (2006.01); **B29C 45/20** (2006.01); **B29C 45/77** (2006.01)

CPC (source: AT EP)

**B22D 17/007** (2013.01 - AT EP); **B22D 17/2015** (2013.01 - EP); **B22D 17/2023** (2013.01 - AT); **B22D 17/2038** (2013.01 - EP); **B22D 17/2061** (2013.01 - EP); **B22D 17/22** (2013.01 - AT); **B22D 17/2272** (2013.01 - AT EP); **B22D 21/007** (2013.01 - AT)

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 2016000006 A1 20160107**; AT 515969 A1 20160115; AT 515969 B1 20190815; EP 3164235 A1 20170510

DOCDB simple family (application)

**AT 2015050125 W 20150518**; AT 504642014 A 20140703; EP 15729746 A 20150518