

Title (en)

DEVICE AND METHOD FOR PRODUCING A METAL COMPONENT

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES METALLISCHEN BAUTEILES

Title (fr)

DISPOSITIF ET PROCÉDÉ DE FABRICATION D'UN COMPOSANT MÉTALLIQUE

Publication

**EP 3946777 A1 20220209 (DE)**

Application

**EP 20714518 A 20200323**

Priority

- AT 502762019 A 20190329
- EP 2020058030 W 20200323

Abstract (en)

[origin: WO2020200893A1] A device (1) for producing a metal component has a casting mould (2) into which flowable, metal material can be poured in order to allow the material for producing the component to solidify in the casting mould (2). The casting mould (2) has at least one sound exciter (5) or at least one sound exciter (5) is integrated in the casting mould (2) in order to introduce vibrations into a material located in the casting mould (2) by means of the sound exciter (5). The sound exciter (5) is formed with a diaphragm (6) and a drive unit (7) such that the diaphragm (6) can be set in motion by means of the drive unit (7) in order to introduce the vibrations into the material. The drive unit (7) is designed with a mechanism connected to the diaphragm (6) or an actuator (8) connected to the diaphragm (6) to set the diaphragm (6) in motion.

IPC 8 full level

**B22D 27/08** (2006.01); **B22D 17/20** (2006.01); **B22D 27/09** (2006.01)

CPC (source: AT EP)

**B22D 11/114** (2013.01 - AT EP); **B22D 17/20** (2013.01 - AT EP); **B22D 18/00** (2013.01 - AT); **B22D 18/02** (2013.01 - AT); **B22D 27/08** (2013.01 - AT EP); **B22D 27/09** (2013.01 - EP); **C22C 1/10** (2013.01 - AT); **C22C 23/00** (2013.01 - AT)

Citation (search report)

See references of WO 2020200893A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2020200893 A1 20201008**; AT 522297 A1 20201015; EP 3946777 A1 20220209

DOCDB simple family (application)

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