

Title (en)

INJECTION-MOULDING DEVICE AND METHOD FOR MANUFACTURING PARTS MADE OF METALLIC GLASS

Title (de)

SPRITZGIESSVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON TEILEN AUS METALLISCHEM GLAS

Title (fr)

DISPOSITIF DE MOULAGE PAR INJECTION ET PROCÉDÉ POUR LA FABRICATION DE PIÈCES EN VERRES MÉTALLIQUES

Publication

EP 3899072 A1 20211027 (FR)

Application

EP 19850758 A 20191220

Priority

- FR 1873662 A 20181220
- FR 2019000215 W 20191220

Abstract (en)

[origin: WO2020128170A1] Device and method for injection moulding a metal alloy intended for manufacturing at least one part made of an amorphous metal alloy or metallic glass, wherein: an injection mould (2) delimits a cavity that has a receiving face (4) and a frontal moulding face (5) opposite the receiving face, at least one sacrificial shaping insert (7) is placed in said cavity and has a rear face (8), at least one contact zone of which is adjacent to at least one contact zone of said receiving face of the cavity and a front face (9) that is situated opposite said moulding face of the mould and provided with a recessed shape, and an injection piston (11) is movable in a chamber (12) of the mould and communicates with the moulding impression.

IPC 8 full level

B22D 17/10 (2006.01); **C22C 1/00** (2006.01); **C22C 33/00** (2006.01); **C22C 45/00** (2006.01)

CPC (source: EP US)

B22C 1/00 (2013.01 - US); **B22D 17/10** (2013.01 - EP US); **B22D 17/22** (2013.01 - US); **B22D 29/002** (2013.01 - US); **C22C 1/11** (2023.01 - EP); **C22C 33/003** (2013.01 - EP); **C22C 45/00** (2013.01 - EP)

Citation (search report)

See references of WO 2020128170A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020128170 A1 20200625; EP 3899072 A1 20211027; FR 3090431 A1 20200626; FR 3090431 B1 20230210; US 2022161319 A1 20220526

DOCDB simple family (application)

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