

Title (en)

MOLDING AND DE-MOLDING OF METALLIC GLASS USING NON-DISPOSABLE MOLDS

Title (de)

FORMEN UND ENTFORMEN VON METALLGLAS ANHAND VON FORMEN ZUR MEHRMALIGEN VERWENDUNG

Title (fr)

MOULAGE ET DÉMOULAGE DE VERRE MÉTALLIQUE À L'AIDE DE MOULES NON JETABLES

Publication

**EP 3063307 A4 20161019 (EN)**

Application

**EP 14858939 A 20141029**

Priority

- US 201361896986 P 20131029
- US 2014062850 W 20141029

Abstract (en)

[origin: WO2015066145A1] A reusable mold comprising a flexible bulk metallic glass mold insert comprising one or more mold cavities removably coupled to a support mold and a method of making the reusable mold. The support mold is removable from the flexible bulk metallic glass mold insert without macroscopic elastic flexing or deforming of the support mold. The reusable mold may be used for molding one or more bulk metallic glass parts and the one or more molded bulk metallic glass parts may be released from the flexible bulk metallic glass mold insert by elastically flexing the flexible mold insert.

IPC 8 full level

**C22C 45/10** (2006.01); **B22F 3/20** (2006.01); **B22F 5/00** (2006.01); **B29C 33/04** (2006.01); **B29C 45/73** (2006.01); **G01L 7/10** (2006.01); **G03F 7/00** (2006.01); **G04B 5/22** (2006.01)

CPC (source: EP US)

**B22C 9/061** (2013.01 - US); **B22C 9/22** (2013.01 - US); **C22C 45/10** (2013.01 - EP US); **G01L 7/102** (2013.01 - US); **G04B 19/12** (2013.01 - EP US); **G04B 37/22** (2013.01 - EP US)

Citation (search report)

- [XAI] US 2012125071 A1 20120524 - SCHROERS JAN [US], et al
- [XA] US 2011079940 A1 20110407 - SCHROERS JAN [US], et al
- [A] WO 2013039513 A1 20130321 - CRUCIBLE INTELLECTUAL PROP LLC [US], et al
- See references of WO 2015066145A1

Cited by

CN108153962A

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 2015066145 A1 20150507**; EP 3063307 A1 20160907; EP 3063307 A4 20161019; US 2016318095 A1 20161103

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**US 2014062850 W 20141029**; EP 14858939 A 20141029; US 201415033173 A 20141029