

Title (en)

METHOD FOR MOLDING AMORPHOUS ALLOY, AND MOLDED OBJECT PRODUCED BY SAID MOLDING METHOD

Title (de)

VERFAHREN ZUM FORMEN EINER AMORPHEN LEGIERUNG UND DURCH DIESES VERFAHREN HERGESTELLTER FORMKÖRPER

Title (fr)

PROCÉDÉ DE MOULAGE D'ALLIAGE AMORPHE ET OBJET MOULÉ FABRIQUÉ PAR LEDIT PROCÉDÉ DE MOULAGE

Publication

**EP 2821163 A1 20150107 (EN)**

Application

**EP 13755554 A 20130130**

Priority

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- JP 2013051998 W 20130130

Abstract (en)

Provided are a method of molding an amorphous alloy, which has a high degree of work freedom regardless of components of an amorphous alloy, in particular, metallic glass and of the shape of an article to be molded, and is capable of producing a molded article having less pores, and a molded object produced by the molding method. The method of molding an amorphous alloy includes: a melting step of melting an amorphous alloy; a differential-pressure casting step of injecting a melt of the amorphous alloy into a casting mold positioned below the melt and evacuating the casting mold; and a processing step of processing the melt by heating and pressurizing the melt in the casting mold while keeping the melt in a supercooled state.

IPC 8 full level

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Designated extension state (EPC)

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