

Title (en)

Method for pulsed pressure molding

Title (de)

Verfahren für Impulsdruckformen

Title (fr)

Procédé pour moulage de pression pulsée

Publication

EP 1810765 B1 20150909 (EN)

Application

EP 07001379 A 20070123

Priority

US 76206906 P 20060124

Abstract (en)

[origin: EP1810765A2] Method and apparatus for creating a molded product by first liquefying a metal in a crucible disposed in a crucible chamber and then applying a differential pressure level to the liquefied metal so as to force the liquefied metal into a mold. Once the liquefied metal is drawn into the mold, the pressure of the liquefied metal in the mold is raised to a solidification pressure in oscillating pressure steps. Once the pressure is raised to the solidification pressure, the liquefied metal is allowed to solidify.

IPC 8 full level

B22D 17/00 (2006.01)

CPC (source: EP US)

B22D 18/04 (2013.01 - EP US); **B22D 18/06** (2013.01 - EP US); **B22D 27/11** (2013.01 - EP US)

Citation (examination)

EP 0361837 A2 19900404 - UBE INDUSTRIES [JP]

Cited by

CN109513900A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1810765 A2 20070725; EP 1810765 A3 20080521; EP 1810765 B1 20150909; US 2016067774 A1 20160310

DOCDB simple family (application)

EP 07001379 A 20070123; US 69830907 A 20070124