

Title (en)

COMPRESSION MOLDING METHOD FOR POWDER AND DEVICE THEREFOR

Title (de)

KOMPRESSIONSFORMVERFAHREN FÜR PULVER UND VORRICHTUNG DAFÜR

Title (fr)

PROCÉDÉ DE MOULAGE PAR COMPRESSION POUR POUDRE ET DISPOSITIF POUR CELUI-CI

Publication

EP 2450179 A1 20120509 (EN)

Application

EP 10794037 A 20100623

Priority

- JP 2010060618 W 20100623
- JP 2009158765 A 20090703

Abstract (en)

A compression molding apparatus for particulate matter comprising a magnetostrictive actuator functioning as an impact force applying means arranged at least between an upper ram or a lower ram and an upper punch or a lower punch. Particulate matter is compressed by a static pressure, and then an impact force is applied to the particulate matter to reduce internal stress. After compressing the particulate matter by the static pressure, the upper ram is allowed to fall gravitationally to shorten a molding time.

IPC 8 full level

B30B 11/02 (2006.01)

CPC (source: EP)

B30B 1/42 (2013.01); **B30B 11/027** (2013.01); **B30B 11/04** (2013.01); **B30B 15/068** (2013.01)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2011001868 A1 20110106; CN 102548745 A 20120704; CN 102548745 B 20141210; EP 2450179 A1 20120509; EP 2450179 A4 20131106; EP 2450179 B1 20160831; EP 2450179 B8 20161012

DOCDB simple family (application)

JP 2010060618 W 20100623; CN 201080029655 A 20100623; EP 10794037 A 20100623