

Title (en)

METHOD AND MOULD FOR STRATIFIED MOULDING WITH METALOSTATIC PRESSURE COMPENSATION

Title (de)

VERFAHREN UND FORMWERKZEUG ZUM GESCHICHTETEN FORMEN MIT AUSGLEICH DES METALLOSTATISCHEN DRUCKS

Title (fr)

PROCÉDÉ ET MOULE POUR MOULAGE STRATIFIÉ À COMPENSATION DE PRESSION MÉTALLOSTATIQUE

Publication

EP 2191912 A1 20100602 (EN)

Application

EP 07834482 A 20070829

Priority

- MX 2007000101 W 20070829
- MX 2007008956 A 20070725

Abstract (en)

A mould for stratified moulding with metalostatic pressure compensation formed by one or more stackable moulds formed by a tapping cavity of a generally rhomboidal truncated cone shape and one or more moulding cavities connected to the tapping cavity by one or more supply conduits; in such a way that each tapping cavity of each stackable mould interconnects to form a central filling collector, and each tapping cavity compensates for the metalostatic pressure of the molten metal as it is drained by the central filling collector to achieve generally uniform filling of each of the moulding cavities of each of the stackable moulds. In addition, the generally rhomboidal double truncated cone shape serves to keep a temperature distribution in the mould during the pouring of molten metal.

IPC 8 full level

B22C 9/20 (2006.01)

CPC (source: EP US)

B22C 9/20 (2013.01 - EP US)

Citation (search report)

See references of WO 2009014412A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2191912 A1 20100602; BR PI0721865 A2 20140218; MX 2007008956 A 20070907; US 2010193151 A1 20100805; WO 2009014412 A1 20090129

DOCDB simple family (application)

EP 07834482 A 20070829; BR PI0721865 A 20070829; MX 2007000101 W 20070829; MX 2007008956 A 20070725; US 67046110 A 20100125