

Title (en)

Die casting in investment mold

Title (de)

Druckgießen in Feingiessformen

Title (fr)

Coulée sous pression dans un moule de précision

Publication

EP 1797977 A3 20080806 (EN)

Application

EP 06125467 A 20061205

Priority

US 31191005 A 20051219

Abstract (en)

[origin: EP1797977A2] Method and apparatus for casting a metallic material involves the steps of disposing an investment mold in a container, holding the container with the mold therein relative to a platen of a casting machine such that one or more mold cavities communicate to a shot sleeve to receive molten metallic material therefrom, introducing the molten metallic material in the shot sleeve under hydraulic pressure into the one or more mold cavities of the mold while the container is held adjacent the platen, and at least partially solidifying the metallic material in the one or more mold cavities.

IPC 8 full level

B22D 17/08 (2006.01); **B22C 9/04** (2006.01); **B22D 17/22** (2006.01)

CPC (source: EP)

B22C 9/04 (2013.01); **B22C 9/082** (2013.01); **B22C 9/28** (2013.01); **B22D 17/08** (2013.01); **B22D 17/22** (2013.01); **B22D 17/2209** (2013.01)

Citation (search report)

- [X] US 4704079 A 19871103 - PLUIM JR ARTHUR W [US]
- [X] US 2003121636 A1 20030703 - GEGEL GERALD A [US], et al

Cited by

CN108889910A; CN107570682A; CN102588361A; CN109057558A; EP1797978A3; CN107598114A; US9802243B2; US10391547B2; US9803923B2

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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 06125467 A 20061205; JP 2006339806 A 20061218