

Title (en)  
Die casting in investment mold

Title (de)  
Druckgießen in Einbettformen

Title (fr)  
Coulée sous pression dans un moule de précision

Publication  
**EP 1797978 A3 20080723 (EN)**

Application  
**EP 06125586 A 20061207**

Priority  
US 31143305 A 20051219

Abstract (en)  
[origin: EP1797978A2] Method and apparatus for casting a metallic material involves the steps of providing a non-metallic mold in a mold-receiving chamber disposed in at least one of relatively movable first and second members, communicating a mold cavity in the mold to a gating passage disposed in at least one of the first and second metallic members, communicating the gating passage to a shot sleeve, and flowing metallic material from the shot sleeve to the gating passage and into the non-metallic mold.

IPC 8 full level  
**B22D 17/10** (2006.01); **B22C 9/06** (2006.01); **B22D 17/22** (2006.01); **B22D 21/00** (2006.01)

CPC (source: EP US)  
**B22C 9/04** (2013.01 - EP US); **B22C 9/082** (2013.01 - EP US); **B22C 9/28** (2013.01 - EP US); **B22D 17/10** (2013.01 - EP US); **B22D 17/203** (2013.01 - EP US); **B22D 17/2209** (2013.01 - EP US); **B22D 21/005** (2013.01 - EP US)

Citation (search report)

- [XY] US 4704079 A 19871103 - PLUIM JR ARTHUR W [US]
- [XY] GB 779165 A 19570717 - HERMANN SAUTER, et al
- [DY] US 6070643 A 20000606 - COLVIN GREGORY N [US]
- [E] EP 1797977 A2 20070620 - HOWMET CORP [US]

Cited by  
CN106734922A; WO2015041766A1

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)  
**EP 1797978 A2 20070620; EP 1797978 A3 20080723**; JP 2007167955 A 20070705; US 2007137827 A1 20070621

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**EP 06125586 A 20061207**; JP 2006339807 A 20061218; US 31143305 A 20051219