

Title (en)

Hot chamber die casting machine and method of operation therefor

Title (de)

Warmkammerdruckgiessmaschine und Betriebsverfahren hierfür

Title (fr)

Machine à couler sous pression à chambre chaude et procédé de coulée correspondant

Publication

**EP 1201334 B1 20050323 (DE)**

Application

**EP 00123326 A 20001027**

Priority

EP 00123326 A 20001027

Abstract (en)

[origin: EP1201334A1] Process for operating a hot chamber die casting machine comprises pressing the metal melt from the casting container via a riser bore, a mouthpiece and a gate; and forming a pressure fluctuation on the end of the mold filling process in the narrowest cross-section of the gate to prevent rapid solidification of the melt. An Independent claim is also included for a hot chamber die casting machine for carrying out the process. Preferred Features: The casting plunger is moved into the corresponding mold filling phase during pressing and is bombarded at the end of the filling process with the maximum casting pressure, preferably a pulsating pressure.

IPC 1-7

**B22D 17/04**; **B22D 17/32**

IPC 8 full level

**B22D 17/02** (2006.01); **B22D 17/04** (2006.01); **B22D 17/32** (2006.01)

CPC (source: EP US)

**B22D 17/04** (2013.01 - EP US); **B22D 17/32** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 1201334 A1 20020502**; **EP 1201334 B1 20050323**; AT E291513 T1 20050415; CZ 20013827 A3 20020717; CZ 302923 B6 20120118; DE 50009878 D1 20050428; ES 2235736 T3 20050716; HK 1043757 A1 20020927; JP 2002144001 A 20020521; JP 2007021585 A 20070201; JP 4246423 B2 20090402; PL 199828 B1 20081128; PL 350379 A1 20020506; US 2002050331 A1 20020502; US 6793000 B2 20040921

DOCDB simple family (application)

**EP 00123326 A 20001027**; AT 00123326 T 20001027; CZ 20013827 A 20011024; DE 50009878 T 20001027; ES 00123326 T 20001027; HK 02105476 A 20020724; JP 2001296567 A 20010927; JP 2006297663 A 20061101; PL 35037901 A 20011026; US 98412801 A 20011029