

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

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