

Title (en)

Method of process control of injection molding or semiliquid die casting of metals

Title (de)

Verfahren zur Prozessüberwachung beim Druckgiessen oder Thixoformen von Metallen

Title (fr)

Procede pour le contrôle de traitement de moulage par injection ou thixoformage de métaux

Publication

**EP 1072340 B1 20031008 (DE)**

Application

**EP 99810679 A 19990727**

Priority

EP 99810679 A 19990727

Abstract (en)

[origin: EP1072340A1] Process for monitoring die casting or thixoforming of metals (14) in a die casting or thixoforming device containing a casting chamber (10), a plunger (12) and a mold with cavities (16, 18) comprises measuring the periodic course of the pressure and determining the time-dependent speed of the plunger, calculating energy introduced through the plunger as a function of the process time and the total energy introduced during die casting and/or thixoforming through the plunger based on the time-dependent course of the pressure and the plunger speed, and using the total energy as a parameter for the monitoring of the process.

IPC 1-7

**B22D 17/32**

IPC 8 full level

**B22D 17/00** (2006.01); **B22D 17/32** (2006.01)

CPC (source: EP US)

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