

Title (en)

Method and apparatus to controle the process of a die casting machine

Title (de)

Verfahren und Vorrichtung zur Prozesssteuerung einer Druckgiessmaschine

Title (fr)

Procédé et dispositif pour commande de processus pour une machine à mouler sous pression

Publication

EP 0576795 B1 19970528 (DE)

Application

EP 93106696 A 19930424

Priority

DE 4218556 A 19920605

Abstract (en)

[origin: EP0576795A1] The invention proposes a method and an apparatus for carrying out the method intended for process control of a die casting machine comprising a casting set (2) and a casting drive (1). In order to control the movements of both the press plunger or driving piston (8) in the press cylinder (7) and the multiplying piston (17) in the multiplying device (15) in all phases of the casting process, stepless displacement/speed-measuring devices (30, 31) are provided to determine the position or movements, and rapidly controllable servo proportional valves (33) to (36) are provided to control the movements both of the press plunger (8) and of the multiplying piston (17). <IMAGE>

IPC 1-7

B22D 17/32

IPC 8 full level

B22D 17/32 (2006.01); **B29C 45/77** (2006.01)

CPC (source: EP US)

B22D 17/32 (2013.01 - EP US)

Cited by

EP2295171A1; EP3421155A1

Designated contracting state (EPC)

DE ES FR IT

DOCDB simple family (publication)

EP 0576795 A1 19940105; EP 0576795 B1 19970528; EP 0576795 B2 20020116; DE 4218556 A1 19931209; DE 59306564 D1 19970703; ES 2102547 T3 19970801; ES 2102547 T5 20020816; JP H0631427 A 19940208; US 5365999 A 19941122

DOCDB simple family (application)

EP 93106696 A 19930424; DE 4218556 A 19920605; DE 59306564 T 19930424; ES 93106696 T 19930424; JP 11492293 A 19930517; US 5825493 A 19930510