

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 B2 20020116 (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)

Citation (opposition)

Opponent :

- DE 3142811 A1 19830505 - IDRA PRESSEN GMBH [DE]
- DE 2806051 C2 19841018

Cited by

EP2295171A1; EP3421155A1

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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