

Title (en)  
DIE-CASTING MACHINE OR INJECTION-MOULDING MACHINE

Publication  
**EP 0160921 A3 19860806 (DE)**

Application  
**EP 85105266 A 19850430**

Priority  
DE 3417293 A 19840510

Abstract (en)  
[origin: US4600374A] In a die-casting or injection molding machine transducers are provided for generating a signal corresponding to the injection pressure as well as a signal in accordance with the velocity of the ram device, i.e. the injection screw or the injection piston of the machine. The output signals of these transducers are supplied to a calculating stage for calculating the actual injection power. The resulting signal at the output of the calculating stage is fed to an evaluation device, preferably comprising an indicating device.

IPC 1-7  
**B22D 17/32**; **B22D 18/08**

IPC 8 full level  
**B22D 17/32** (2006.01); **B22D 18/08** (2006.01)

CPC (source: EP US)  
**B22D 17/32** (2013.01 - EP US)

Citation (search report)

- [A] US 4335778 A 19820622 - MOTOMURA NORIYUKI, et al
- [A] DE 2922914 A1 19801211 - OSKAR FRECH WERKZEUGBAU GMBH &
- [AP] DE 3329705 A1 19850307 - HAHN ORTWIN, et al
- [AD] DE 3142811 A1 19830505 - IDRA PRESSEN GMBH [DE]

Cited by  
DE3939728A1; EP0644030A3; GB2357111A; GB2357111B; FR2720213A1; FR2725391A1; FR2726495A1

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CH DE FR GB IT LI

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