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18 March 2002

ABSTRACT

METHOD FOR CONTROLLING DRIVE OF SCREW IN INJECTION MOLDING MACHINE

The present invention is applicable to an injection molding machine comprising an injection device having a servo motor for use in rotating a screw and a controller for controlling the servo motor. The controller has a rotation speed N previously set therein as a set value for the screw rotation in a metering process. The controller rotates the screw at an acceleration $A1$ until the rotation speed of the screw reaches a value N_k (where $N_k < N$). After that the controller carries out a control operation to rotate the screw at an acceleration $A2$ until the rotation speed of the screw reaches the value N . The acceleration $A2$ is higher than the acceleration $A1$.

Fig. 4



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