

Abstract of the Disclosure:

CONTROL SYSTEM FOR CONTROLLING MOTOR-DRIVEN
INJECTION MOLDING MACHINE WITH IMPROVED RESPONSE

In a control system for controlling a motor-driven injection molding machine that comprises an injection unit driven by a servo-motor and a speed feedback control loop for controlling the servo-motor, an amplifier produces a command signal indicative of a torque command value for the servo motor in accordance with a difference between a sensed speed value obtained by a rotation speed sensor and a speed command value. A pressure sensor senses a pressure of resin within a mold to produce a sensed pressure signal indicative of a sensed pressure. A correction amplifier amplifies the sensed pressure signal to produce an amplified signal as a correction value for a torque command value. An adder adds the torque command value and the correction value to produce an addition result to a motor drive.

(Fig. 5)