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ABSTRACT OF THE DISCLOSURE

MOLD CLAMPING CONTROL DEVICE CAPABLE OF ACCURATELY
CONTROLLING MOLD CLAMPING FORCES EXERTED ON A MOLD
DURING INJECTION MOLDING

Upon injection molding, a linear encoder detects a relative position between the movable platen and a fixed platen, and a strain sensor detects a mold clamping force. A mold clamping control unit has a target platen position value and a target mold clamping force value. The mold clamping control unit subtracts a platen position and a mold clamping force from the target platen position value and the target mold clamping force value, respectively, to obtain deviations. The mold clamping control unit then switches the target to be controlled between the platen position and the mold clamping force. The mold clamping control unit appropriately converts the deviation of either the platen position or the mold clamping force into a control command value for a motor. The converted value is supplied to a motor control unit. The motor control unit drivingly controls a mold clamping motor according to the control command.

Fig. 1



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