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**AN INJECTION MOLDING MACHINE HAVING A DYNAMIC BRAKE
APPARATUS PROVIDED FOR AN ELECTRIC DRIVING MACHINE AND A
METHOD FOR PROTECTING THE INJECTION MOLDING MACHINE**

ABSTRACT

An injection molding machine includes an electric driving machine, a dynamic brake apparatus which is provided for the electric driving machine and consumes regenerative electric power of the electric driving machine as a load, and a controller configured to output a driving output signal to the dynamic brake apparatus so as to control that the dynamic brake apparatus consumes the regenerative electric power of the electric driving machine, wherein the controller estimates the load to the dynamic brake apparatus based on the driving output signal output to the dynamic brake apparatus and determines whether or not the dynamic brake apparatus is in an overload state based on the estimated load.

Figure 3



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