

6

Abstract of the Disclosure

A throttle controller for an internal combustion engine employs a stepper motor to move the throttle valve and provides a controller to permit the use of the stepper motor. The stepper motor requires no return spring or position sensor and hence offer weight and cost advantages. The throttle position is deduced by means of an up-down counter tracking movement of the stepper motor during throttle control. The controller includes an integration means to accommodate the unknown starting throttle position. A fuel cutoff solenoid is activated in the event of over-speed or power loss. An engine speed signal for the controller is produced by a variable reluctance sensor providing a signal to a slope detector circuit to eliminate the influence of external magnetic fields.

This Sheet Has Been Replaced

