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**VALVE POSITIONER WITH PRESSURE FEEDBACK,
DYNAMIC CORRECTION AND DIAGNOSTICS**

ABSTRACT OF THE DISCLOSURE

In this invention, a valve positioner (50) receives a setpoint from a master (62) and provides a control pressure to a valve actuator (70) for controlling a valve (72). A sensing circuit (102) in the positioner (50) senses the position of the valve (72) and the control pressure, and a control circuit (94) in the positioner (50) uses both the sensed pressure and position to provide a command output to a pneumatic section (100) which produces the control pressure.

This Sheet Has Been Replaced

