

INTELLIGENT SPEED MONITORING AUTO RETRACT SYSTEM

ABSTRACT OF THE DISCLOSURE

5 A system for hardware intelligent speed monitoring and auto-retract
is disclosed. The system contains a monitoring device that monitors the
TACH (Tachometer) output of motor driver. The device provides a trigger to
the signal processor and a retract mechanism to retract the actuator when
the spindle motor speed is unexpectedly much higher or lower than normal
10 speed. The system DSP (Digital Signal Processor) is unaware of such
occurrence.

FIG. 5