

POSITION CONTROL SYSTEM

ABSTRACT

A method for determining slippage of at least one wheel of at least one vehicle having a motor and a processor that communicates velocity commands to the motor for varying a velocity of the vehicle is presented. The method includes determining an actual velocity of the vehicle over regular intervals; comparing, over regular intervals, the actual velocity of the vehicle to the expected velocity from the magnitude of the velocity commands to determine whether there is slip of the wheel of the vehicle; and reducing the magnitude of the velocity commands to equal approximately the actual velocity of the vehicle where there is slip of the wheel. A system and circuit carrying out the method are also presented.

(Figure 3)