



"DETERMINING PNEUMATIC TIRE PRESSURE AND/OR VEHICLE VELOCITY"

ABSTRACT

For indicating tire inflation and/or vehicle velocity, an array of strain gage sensors installed in a driveway or the like is used to determine the distribution of contact forces along the width of a pneumatic tire. A neural network may be employed to classify the patterns of force sensed in this manner. Additional processing of the data permits vehicle velocity to also be determined.

(FIGURE 1)