CONTROL MODE AND METHOD FOR BRAKE CYLINDER OF RAILROAD ENGINEERING MAINTENANCE VEHICLE

ABSTRACT

A control system and a control method for controlling the maintenance vehicle braking cylinder of a large size road maintainer comprise a closed loop control part, an auxiliary braking control part and a back-up braking control part. The closed loop control part is composed of an air inlet path and an air outlet path. The air cylinder in the inlet path is connected with a pressure sensor (7) whose signal output end is connected with the signal input end of a proportional controller (17). The output end of the proportional controller is connected with an air inlet high speed electric pneumatic valve (2) and an air outlet high speed electric pneumatic valve (3) individually.

(Figure 1)