

Method of Shortening Idle Running Time by the Use of the Air Spring Pressure of the Body Suspension

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As one of the measures to quickly stop high speed vehicle in the emergent event such as an earthquake, we have devised a method of reducing brake idle running time by supplying the vehicle body suspension air spring pressure preferentially to the brake cylinder pressure. In this paper, we report on the verification of the shortening effect by means of tests of the Shinkansen bogie on the test plant and show the result of the numerical simulation by use of the data from the commercial train.