

Title (en)

BRAKING SYSTEM FOR A RAILWAY OR TRAMWAY VEHICLE

Title (de)

BREMSSYSTEM FÜR SCHIENEN- ODER STRASSENBAHNFahrzeug

Title (fr)

SYSTEME DE FREINAGE POUR UN VEHICULE FERROVIAIRE OU UN TRAMWAY

Publication

EP 1868863 A2 20071226 (EN)

Application

EP 06727783 A 20060331

Priority

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- IT TO20050215 A 20050401

Abstract (en)

[origin: WO2006103636A2] The braking system is intended for a railway or tramway vehicle (RV) with a structure or body and at least two axles and controlled pneumatic suspension systems (VSS) , comprising: at least one main pneumatic line (MP) , pneumatic actuator devices (BCI, BC2) for service braking and emergency braking, - at least one compact electro-pneumatic control assembly (GI, G2) having: - an inlet connector (a) connected to said main pneumatic line (MP) and - a plurality of additional inlet/outlet connectors (b, bl, b2) connected to the service and emergency braking actuators (BCI, BC2); - at least one pneumatic circuit (PNCI) for controlling the service braking and emergency braking, and - an electronic communication and control unit (ECU) connected to at least one communication line (VB) and to the pneumatic circuit (PNC1) and designed to control in a predetermined manner actuation of the service braking or emergency braking on the basis of the information or control signals sent to it via said communication line (VB) . The said at least one compact electro-pneumatic assembly (GI, G2) also has at least one (first) additional pneumatic circuit (PNCm) connected to the communication and control unit (ECU) and able to control the pneumatic suspension systems (VSS) of the vehicle, driving in a predetermined manner actuator devices (PS) associated with the suspension systems, so as to selectively be able to keep the vehicle body at a predetermined height from the rail level or vary the height of the vehicle body from the rail level or also vary the inclination of the vehicle body relative to the rail level .

IPC 8 full level

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