

Title (en)
BRAKE DEVICE FOR A RAIL VEHICLE

Title (de)
BREMSVORRICHTUNG FÜR EIN SCHIENENFAHRZEUG

Title (fr)
SYSTÈME DE FREINAGE POUR VÉHICULE SUR RAILS

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Application
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Abstract (en)
[origin: CA2656424A1] The invention relates to a brake device (1) for rail vehicles, comprising an electromagnetic spring pressure brake, the brake force being applied by an elastic force to the part to be braked and a magnetic arrangement being provided for neutralizing the brake force. Said magnetic arrangement counteracts the elastic force and consists of a coil arrangement (6) and an armature plate (7) that are mobile in relation to each other, the mobile part being connected to the brake element (8) that impinges the part to be braked. The brake device for a rail vehicle according to the invention allows a high brake force and short reaction times and is very compact. For this purpose, the mobile part is connected to an axially displaceable plunger (2) which on one end can be impinged upon with the elastic force and which is connected on the other end to the brake element (8).

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