

Title (en)
METHOD FOR OPERATING AN ELECTROMECHANICAL WHEEL BRAKE DEVICE

Title (de)
VERFAHREN ZUM BETRIEB EINER ELEKTROMECHANISCHEN RADBREMSVORRICHTUNG

Title (fr)
PROCEDE POUR FAIRE FONCTIONNER UN DISPOSITIF DE FREINAGE DE ROUES ELECTROMECHANIQUE

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Application
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Abstract (en)
[origin: DE19859325A1] The invention relates to an electromechanical wheel brake device (10) with an electromotor (22). A friction brake pad (14) can be pressed against a braking body (16) by means of a spindle mechanism (20) and by means of said electromotor, whereby a spindle (28) pertaining to the spindle mechanism (20) is held with a releasable brake (42) in a rotationally fixed manner. The aim of the invention is to prevent a braking force of the wheel brake device (10) from exceeding a given value due the electromotor (22) which keeps turning due to its kinetic energy even after the current supply has been switched off. To this end, the releasable brake (42) is released for a short period of time. Said releasable brake (42) can also be released to reduce the braking force of the wheel brake device (10). Better dynamics are achieved especially with regard to quick changes in the braking force state (increase, maintenance and reduction of said braking force) when the braking force of the wheel brake device (10) is modified by closing and partially and completely releasing the brake (42) as desired.

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