

Title (en)

ELECTRO-MECHANICAL BRAKE ACTUATOR WITH A REFEEDING FUNCTION FOR A PARKING BRAKE OF A RAIL VEHICLE

Title (de)

ELEKTRO-MECHANISCHER BREMSAKTUATOR MIT NACHSPEISUNG FÜR EINE FESTSTELLBREMSE EINES SCHIENENFAHRZEUGS

Title (fr)

ACTIONNEUR DE FREIN ÉLECTROMÉCANIQUE COMPRENANT UNE RÉALIMENTATION POUR UN FREIN DE STATIONNEMENT D'UN VÉHICULE FERROVIAIRE

Publication

EP 3676142 A1 20200708 (DE)

Application

EP 18765569 A 20180823

Priority

- DE 102017215291 A 20170831
- EP 2018072768 W 20180823

Abstract (en)

[origin: WO2019042860A1] The invention relates to an electro-mechanical brake actuator with a refeeding function for a parking brake of a rail vehicle and to a corresponding method. The electro-mechanical brake actuator has a pressing part (4) for pressing against a brake disc (5); means (1, 2, 3) for moving the pressing part (4) onto or away from the brake disc (5); a locking device (7) which is configured so as to lock the pressing part (4) against the brake disc (5) in a fixed manner; and a refeeding device (6, 7, 8) which has a lock release device (7, 8) that is configured so as to release the lock of the pressing part (4) against the brake disc (5) if a specified refeeding condition has been satisfied; wherein the refeeding device (6, 7, 8) is configured so as to actuate the means (1, 2, 3) for moving the pressing part (4) when the pressing part (4) is unlocked by the lock release device (7, 8) and causes the locking device (7) to again lock the pressing part (4) against the brake disc (5) in a fixed manner.

IPC 8 full level

B60T 13/66 (2006.01); **B60T 17/16** (2006.01); **B60T 17/22** (2006.01); **F16D 65/18** (2006.01)

CPC (source: EP)

B60T 13/662 (2013.01); **B60T 13/665** (2013.01); **B60T 17/16** (2013.01); **B60T 17/228** (2013.01); **F16D 2121/24** (2013.01); **F16D 2123/00** (2013.01); **F16D 2127/06** (2013.01)

Citation (search report)

See references of WO 2019042860A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102017215291 A1 20190228; CN 111051165 A 20200421; CN 111051165 B 20220412; EP 3676142 A1 20200708; WO 2019042860 A1 20190307

DOCDB simple family (application)

DE 102017215291 A 20170831; CN 201880056123 A 20180823; EP 18765569 A 20180823; EP 2018072768 W 20180823