

Title (en)

ELECTRO-MECHANICAL BRAKE ACTUATOR WITH INTERNAL POWER ELECTRONICS UNIT AND ENERGY STORE

Title (de)

ELEKTRO-MECHANISCHER BREMSAKTUATOR MIT INTERNER LEISTUNGSELEKTRONIK UND ENERGIESPEICHER

Title (fr)

ACTIONNEUR DE FREIN ÉLECTROMÉCANIQUE DOTÉ D'UNE ÉLECTRONIQUE DE PUISSANCE INTERNE ET D'UN ACCUMULATEUR D'ÉNERGIE

Publication

EP 3676141 A1 20200708 (DE)

Application

EP 18765040 A 20180822

Priority

- DE 102017215289 A 20170831
- EP 2018072660 W 20180822

Abstract (en)

[origin: WO2019042841A1] The invention relates to a brake actuator (1) for a rail vehicle, comprising a housing (11); a pressing part (8) which is configured so as to be pressed onto a brake disc (9); means (5, 6) for moving the pressing part (8); a logic unit (2) in or on the housing (11), said logic unit being configured to control the means (5, 6) for moving the pressing part (8); a control connection (3) on the housing (11); a supply connection (4) on the housing (11) for supplying the brake actuator (1) with energy; and a power electronics unit (99) with an energy store, said power electronics unit being arranged in or on the housing (11) and being paired solely with the one brake actuator (1).

IPC 8 full level

B60T 13/66 (2006.01); **B60T 13/74** (2006.01); **B61H 1/00** (2006.01)

CPC (source: EP)

B60T 8/1705 (2013.01); **B60T 8/171** (2013.01); **B60T 13/66** (2013.01); **B60T 13/665** (2013.01); **B60T 13/74** (2013.01); **B60T 13/741** (2013.01); **B60T 17/228** (2013.01); **B61H 5/00** (2013.01); **B61H 13/34** (2013.01); **F16D 55/226** (2013.01); **F16D 65/18** (2013.01); **F16D 65/183** (2013.01); **B60T 8/3255** (2013.01); **B60T 2270/402** (2013.01); **B60T 2270/414** (2013.01); **F16D 2066/005** (2013.01); **F16D 2121/24** (2013.01)

Citation (search report)

See references of WO 2019042841A1

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 102017215289 A1 20190228; CN 111051166 A 20200421; CN 111051166 B 20220308; EP 3676141 A1 20200708; WO 2019042841 A1 20190307

DOCDB simple family (application)

DE 102017215289 A 20170831; CN 201880056138 A 20180822; EP 18765040 A 20180822; EP 2018072660 W 20180822