

Title (en)

DISC BRAKE WITH A WEAR SENSOR DEVICE, METHOD FOR DETERMINING THE WEAR OF BRAKE LININGS AND THE BRAKE DISC OF A DISC BRAKE, AND METHOD FOR MONITORING THE BRAKE ACTUATION AND THE RESETTING OF A DISC BRAKE

Title (de)

SCHEIBENBREMSE MIT EINER VERSCHLEISSSENSOREINRICHTUNG, VERFAHREN ZUM BESTIMMEN EINES VERSCHLEISSES VON BREMSBELÄGEN UND BREMSSCHEIBE EINER SCHEIBENBREMSE, UND VERFAHREN ZUM ÜBERWACHEN EINER BREMSBETÄTIGUNG UND EINER RÜCKSTELLUNG EINER SCHEIBENBREMSE

Title (fr)

FREIN À DISQUE PRÉSENTANT UN DISPOSITIF CAPTEUR D'USURE, PROCÉDÉ POUR DÉTERMINER L'USURE DE GARNITURES DE FREIN ET D'UN DISQUE DE FREIN D'UN FREIN À DISQUE ET PROCÉDÉ POUR SURVEILLER UN FREINAGE ET UN RAPPEL D'UN FREIN À DISQUE

Publication

EP 3924634 A1 20211222 (DE)

Application

EP 20702115 A 20200124

Priority

- DE 102019103827 A 20190215
- EP 2020051824 W 20200124

Abstract (en)

[origin: WO2020164885A1] The invention relates to a disc brake for a utility vehicle, comprising a brake caliper which covers a brake disc, two brake linings arranged in the brake caliper, at least one resetting device, by means of which the brake linings can be reset after a brake-related movement and release of the disc brake and by means of which the brake caliper can be centered, a wear adjustment device for adjusting the wear of the brake linings and the brake disc, and a wear sensor device (16). The resetting device (10) has the wear sensor device (16). The invention also relates to a method for determining the wear of brake linings and the brake disc and to a method for monitoring the brake actuation and the resetting of a disc brake.

IPC 8 full level

F16D 55/226 (2006.01); **F16D 65/097** (2006.01); **F16D 66/02** (2006.01)

CPC (source: EP)

F16D 55/226 (2013.01); **F16D 65/097** (2013.01); **F16D 65/183** (2013.01); **F16D 66/025** (2013.01); **F16D 65/0975** (2013.01); **F16D 66/026** (2013.01); **F16D 66/027** (2013.01); **F16D 2055/0029** (2013.01)

Citation (search report)

See references of WO 2020164885A1

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)

WO 2020164885 A1 20200820; DE 102019103827 A1 20200820; DE 102019103827 B4 20230817; EP 3924634 A1 20211222

DOCDB simple family (application)

EP 2020051824 W 20200124; DE 102019103827 A 20190215; EP 20702115 A 20200124