

Title (en)

ROTATIONAL ANGLE DETECTION DEVICE FOR A COMPONENT OF A BRAKE OF A VEHICLE, AND METHOD FOR DETERMINING THE ROTATIONAL ANGULAR POSITION OF THE COMPONENT

Title (de)

DREHWINKELERFASSUNGSEINRICHTUNG FÜR EINE KOMPONENTE EINER BREMSE EINES FAHRZEUGS UND VERFAHREN ZUM BESTIMMEN EINER DREHWINKELPOSITION DER KOMPONENTE

Title (fr)

DISPOSITIF DE DÉTECTION D'ANGLE DE ROTATION POUR UN COMPOSANT D'UN FREIN DE VÉHICULE ET PROCÉDÉ DE DÉTERMINATION D'UNE POSITION D'ANGLE DE ROTATION DU COMPOSANT

Publication

EP 3765859 A1 20210120 (DE)

Application

EP 19708242 A 20190220

Priority

- DE 102018203700 A 20180312
- EP 2019054157 W 20190220

Abstract (en)

[origin: WO2019174874A1] The invention relates to a rotational angle detection device (1) for a component of a brake of a vehicle. The rotational angle detection device (1) has a brakable component which is connected to wheels of the vehicle and which can be rotated about an axis (4), at least one switching section which extends over a circumferential angular section of the brakable component and is integrated into the brakable component, a sensor (6) for detecting the switching sections, and a sensor securing device (7) which is rotationally fixed relative to the axis (4), wherein the sensor (6) is arranged on the sensor securing device (7) such that the at least one switching section can be detected by the sensor (6) during a rotation of the brakable component. The rotational angle detection device (1) additionally has an analysis unit (8) which is designed to process a signal output by the sensor (6) when detecting the switching section.

IPC 8 full level

G01P 3/48 (2006.01); **B60T 17/22** (2006.01)

CPC (source: EP)

B60T 17/22 (2013.01); **B60T 17/228** (2013.01); **G01D 5/2454** (2013.01); **G01P 3/483** (2013.01); **G01P 3/486** (2013.01); **G01P 3/488** (2013.01); **F16D 2066/003** (2013.01)

Citation (search report)

See references of WO 2019174874A1

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 102018203700 A1 20190912; **DE 102018203700 B4 20231012**; CN 111837042 A 20201027; CN 111837042 B 20230414; EP 3765859 A1 20210120; WO 2019174874 A1 20190919

DOCDB simple family (application)

DE 102018203700 A 20180312; CN 201980018575 A 20190220; EP 19708242 A 20190220; EP 2019054157 W 20190220