

Title (en)

DEVICE FOR RECORDING A ROTATIONAL MOVEMENT IN A VEHICLE STEERING SYSTEM

Title (de)

EINRICHTUNG ZUR ERFASSUNG EINER DREHBEWEGUNG IN EINER FAHRZEUG-LENKEINRICHTUNG

Title (fr)

DISPOSITIF DE DETECTION D'UN MOUVEMENT DE ROTATION DANS UN SYSTEME DE DIRECTION D'UN VEHICULE

Publication

EP 1638833 A1 20060329 (DE)

Application

EP 04740019 A 20040618

Priority

- EP 2004006565 W 20040618
- DE 10329293 A 20030630

Abstract (en)

[origin: WO2005000663A1] The invention relates to a device (1) for recording a rotational movement in a vehicle steering system. According to the invention, a shaft (3) is rotatably mounted in a rack (2), the rotational movement of said shaft to be recorded. An axially displaceable element (4) is arranged on the shaft (3) and is connected thereto (3) by means of a transmission-like connection (5) which converts the rotational movement of the shaft (3) into a longitudinal movement. Said transmission-like connection (5) can be a thread or a screw-type sliding guide or a recirculating ball mechanism. The axially displaceable element (4) is axially guided by means of a longitudinal guide (6) which is pre-stressed in the radial direction, and especially by means of a component (8) of the longitudinal guide (6), having inclined lateral surfaces on the frame side. A detection device (7) consisting of a signal emitter (14) located on the axially displaceable element (4) and a sensor (15) located on the rack (2) detects the longitudinal movement of the axially displaceable element (4).

IPC 1-7

B62D 15/02

IPC 8 full level

B62D 15/02 (2006.01)

CPC (source: EP US)

B62D 15/02 (2013.01 - EP US)

Citation (search report)

See references of WO 2005000663A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005000663 A1 20050106; CN 1812908 A 20060802; DE 10329293 A1 20050120; EP 1638833 A1 20060329; US 2006170415 A1 20060803

DOCDB simple family (application)

EP 2004006565 W 20040618; CN 200480018480 A 20040618; DE 10329293 A 20030630; EP 04740019 A 20040618; US 56251005 A 20051227