

Title (en)

CASING UNIT AND STEERING COLUMN FOR A MOTOR VEHICLE

Title (de)

MANTELEINHEIT UND LENKSÄULE FÜR EIN KRAFTFAHRZEUG

Title (fr)

ENSEMBLE BOÎTIER ET COLONNE DE DIRECTION POUR VÉHICULE À MOTEUR

Publication

EP 4034451 A1 20220803 (DE)

Application

EP 20775247 A 20200916

Priority

- DE 102019214557 A 20190924
- EP 2020075918 W 20200916

Abstract (en)

[origin: WO2021058355A1] The present invention relates to a casing unit for an adjustable steering column for a motor vehicle, comprising an inner casing pipe (4), which extends axially in the direction of a longitudinal axis and comprises a clamping portion (41) having a non-round outer cross section and, in an end region, comprises at least one bearing portion (42) having a circular cylindrical inner cross section, and an outer ring (71) of a rolling bearing is received in the bearing portion (42), which outer ring has rolling bodies (76) which can roll between a track of the outer ring (71) and a track of an inner ring (74), wherein a steering shaft (31) can be received in the inner ring (74). In order to enable a construction having high stiffness which is simple to produce, reliable and compact, according to the invention the rolling bodies (76) are arranged axially offset relative to the bearing portion (42). Furthermore, the invention relates to a steering column having such a casing unit and to a method for producing such a casing unit.

IPC 8 full level

B62D 1/16 (2006.01); **B62D 1/185** (2006.01)

CPC (source: EP)

B62D 1/16 (2013.01); **F16C 19/163** (2013.01); **F16C 19/547** (2013.01); **F16C 33/586** (2013.01); **F16C 33/588** (2013.01); **F16C 35/067** (2013.01); **B62D 1/185** (2013.01); **F16C 2326/24** (2013.01)

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 102019214557 A1 20200109; EP 4034451 A1 20220803; WO 2021058355 A1 20210401

DOCDB simple family (application)

DE 102019214557 A 20190924; EP 2020075918 W 20200916; EP 20775247 A 20200916