

Title (en)

CLAMPING DEVICE FOR FIXING THE POSITION OF A STEERING COLUMN

Title (de)

KLEMMVORRICHTUNG ZUR LAGEFIXIERUNG EINER LENKSÄULE

Title (fr)

DISPOSITIF DE SERRAGE POUR BLOQUER LA POSITION D'UNE COLONNE DE DIRECTION

Publication

EP 1610997 A1 20060104 (DE)

Application

EP 04716585 A 20040303

Priority

- EP 2004002103 W 20040303
- DE 10316190 A 20030409

Abstract (en)

[origin: WO2004089722A1] The invention relates to a clamping device for fixing the position of an adjustable vehicle steering column which is guided in carrier arms of a fixed console and comprises a tie bolt (30) on which a ramp disk (33) provided with clamping ramps is coaxially arranged, said clamping ramps respectively having a contour which continuously changes in the peripheral direction from a release position to a clamping position. Rolling bodies (32) are supported on the clamping ramps in the clamping direction of the ramp disk (33), said rolling bodies being guided in a guiding cage (31) which is rotatably arranged on the tie bolt (30). According to the invention, a second ramp disk (34) provided with clamping ramps and arranged in the opposite direction to the first ramp disk (33) is coaxially arranged on the tie bolt (30), the rolling bodies (32) also being supported on the clamping ramps of said second ramp disk. For each rolling body (32), the corresponding clamping ramps of both ramp disks (33, 34) have the same geometrical shape.

IPC 1-7

B62D 1/18

IPC 8 full level

B62D 1/184 (2006.01)

CPC (source: EP)

B62D 1/184 (2013.01)

Citation (search report)

See references of WO 2004089722A1

Designated contracting state (EPC)

CH DE FR IT LI

DOCDB simple family (publication)

WO 2004089722 A1 20041021; DE 10316190 A1 20041028; EP 1610997 A1 20060104

DOCDB simple family (application)

EP 2004002103 W 20040303; DE 10316190 A 20030409; EP 04716585 A 20040303