

Title (en)

CONNECTION OF A SHAFT PIECE OF A STEERING SHAFT FOR A MOTOR VEHICLE BY MEANS OF A CONNECTION PART

Title (de)

VERBINDUNG EINES WELLENSTÜCKS EINER LENKWELLE FÜR EIN KRAFTFAHRZEUG MIT EINEM ANSCHLUSSTEIL

Title (fr)

ACCOUPLEMENT D'UNE PARTIE ARBRE D'UN ARBRE DE DIRECTION D'UN VÉHICULE À MOTEUR, AVEC UNE PARTIE DE RACCORDEMENT

Publication

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Application

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Abstract (en)

[origin: WO2012162710A1] The invention relates to the connection of a shaft piece (3) of a steering shaft for a motor vehicle by means of a connection part comprising an accommodating opening (15), which is bounded by a wall (17) and in which a connecting section (26) of the shaft piece (3) is fastened, and a slot (27), which interrupts the wall (17) bounding the accommodating opening (15) and is arranged between first and second clamping sections (12a, 12b) of the connection part (9), which clamping sections each form a respective section of the wall (17) bounding the accommodating opening (15) that is adjacent to the slot (27). According to the invention, the first and second clamping sections (12a, 12b) can be drawn together by a clamping part (20) such as to narrow the slot (27) and can be pressed against the connecting section (26) to lock the connecting section (26) to the connection part (9) in order to close the connection. By means of interacting form-closure elements (18) and mating form-closure elements (19) of the wall (17) bounding the accommodating opening (15) and the outer surface of the connecting section (26) of the shaft piece (3), a form closure that acts to prevent rotation of the connecting section (26) of the shaft piece (3) relative to the connection part (9) is formed. In the closed state, all form-closure elements (18) that are locked with a respective mating form-closure element (19) are arranged in an angular region (28) that is spaced apart from the slot (27) located between the clamping sections (12a, 12b) by angles (29, 30) of at least 100° in both rotational directions about the longitudinal center axis (16).

IPC 8 full level

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