

Title (en)

DRIVE MECHANISM FOR SWIVELING A VEHICLE DOOR OR VEHICLE HOOD

Title (de)

GETRIEBE ZUM VERSCHWENKEN EINER FAHRZEUGTÜR ODER FAHRZEUGKLAUPE

Title (fr)

MECANISME POUR FAIRE PIVOTER UNE PORTIERE OU UN CAPOT DE VEHICULE

Publication

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Application

EP 03813154 A 20031216

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Abstract (en)

[origin: WO2004055308A1] The invention relates to a drive mechanism comprising a drive shaft (6) which can be connected to a motor and swivels a vehicle door or vehicle hood (2) that is connected in a torsion-proof manner to a hinge loop (3) about a hinge pin (4). In order to arrange the drive mechanism and the hinge loop (3) in a very compact manner, a planetary gear that is integrated into the hinge loop (3) is used as a drive mechanism (5). The drive shaft (6) of the drive mechanism (5) is formed by the support shaft of the sun wheel (7) while the internal gear (12) of the planetary gear (5) is formed by the end of the hinge loop (3), which is located on the side facing the hinge pin. The support shafts (18) of the planet wheels (10) are mounted inside at least one support element (14, 15) that is placed lateral to the hinge loop (3) and can be connected in a fixed manner to the vehicle body. Preferably, the at least one support element (14, 15) is embodied as a bearing block (13) upon which the hinge loop (3) is pivotally arranged.

IPC 8 full level

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Cited by

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