

Title (en)

MECHANISM FOR SMOOTH OPENING AND RETAINING A CAR DOOR IN A DESIRED POSITION

Title (de)

MECHANISMUS ZUM GLEICHMÄSSIGEN ÖFFNEN UND HALTEN EINER AUTOTÜR IN EINER GEWÜNSCHTEN STELLUNG

Title (fr)

MÉCANISME PERMETTANT D'EFFECTUER UNE OUVERTURE EN DOUCEUR ET UNE RETENUE D'UNE PORTIÈRE DE VÉHICULE AUTOMOBILE DANS UNE POSITION SOUHAITÉE

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Abstract (en)

[origin: WO2010084414A1] Mechanism for smooth opening and retaining a car door in a desired position that gives an impression of "smooth opening" as with known spring mechanisms and it allows retaining a car door during opening or closing in a desired position between the fully closed and fully open door and also blocking thereof in such position. According to a first embodiment, the mechanism comprises a connecting rod (1) fastened at one end via hinge (2) to a car door and sliding through a housing (3) fastened to the bodywork via guide (4). The housing (3) is provided with a semicircular indentation (9), into which a roller (6) arranged under a spring (7) and within said guide (4) fits, and on said housing (3) there is arranged an electric motor (10) with a brake disk (11) and a sensor (12) of movement of said connecting rod (1), which can be set in or out of engagement with the connecting rod (1), such that the connecting rod (1) moves together or freely with respect to the housing (3).

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