

Title (en)
MOTOR VEHICLE DOOR HINGE HAVING AN INTEGRATED BRAKING AND HOLDING FUNCTION

Title (de)
KRAFTWAGENTÜRSCHARNIER MIT INTEGRIERTER BREMS- UND HALTEFUNKTION

Title (fr)
CHARNIERE DE PORTIERE DE VOITURE A FONCTION DE FREINAGE ET D'ARRET INTEGREE

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Abstract (en)
[origin: DE19817699A1] The invention relates to a motor vehicle door hinge having an integrated braking and holding function. Said door hinge is comprised of a first hinge half (1) which acts upon a door assembly part, a door, or a door pillar, and of a second hinge half (2) which acts upon another door assembly part. The door hinge also comprises a hinge pin (3) which pivotally connects both hinge halves to one another. The hinge pin is made of a solid material and is accommodated in at least one hinge eye (14) of a hinge half with a running fit and is accommodated in at least one hinge eye (6) of the other hinge half with a close fit. A braking and holding device which is integrated in the hinge comprises at least one spring-loaded braking and holding body (8). Said braking and holding body is aligned in a radial manner relative to the hinge pin and interacts with a circumferential profile of the hinge pin (3), said profile extending over a part of the circumference thereof. The aim of the invention is to obtain an increasing braking of the opening movement of the doors over a predetermined permitted opening angle of the doors, and inversely to obtain a progressively easier closing movement of the doors. To this end, the circumferential profile of the hinge pin which extends over a part of the circumference thereof forms a braking ramp (9) comprising a contour which continuously increases in the door opening direction. In addition, the braking and holding body (8) which interacts with said braking ramp (9) is configured as a friction body.

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