

Title (en)

DOOR HINGE COMPRISING AN INTEGRATED CONTINUOUSLY VARIABLE BRAKING AND RETAINING UNIT

Title (de)

MIT EINER INTEGRIERTEN STUFENLOSEN BREMS- UND HALTEEINRICHTUNG AUSGESTATTETES TÜRSCHARNIER

Title (fr)

CHARNIERE DE PORTE EQUIPEE D'UN DISPOSITIF INTEGRE DE FREINAGE ET DE RETENUE PROGRESSIFS

Publication

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Application

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Abstract (en)

[origin: US2004231104A1] The invention relates to a door hinge comprising an integrated continuously variable braking and retaining unit, especially a motor vehicle door hinge of the type where the hinge pin hinging the two hinge halves together consists of a full material and is mounted in the gudgeon of the other hinge half with a non-rotating fit. The hinge further cooperates in sections with at least one of the gudgeons of the other hinge half in which it is that radially project from the hinge axis and that are alternately formed on the hinge pin and in the gudgeon so as to generate a force braking the hinge. The aim of the invention is to reduce the time required for manufacturing such a hinge as it is unacceptable for series production. To this end, a bore (18) that is concentric relative to the hinge axis (24) is lined with a bushing (19) in at least one of the gudgeons (10) of the other hinge half (2) in which the hinge pin (3) is mounted with a running fit. In said bushing, a projection (26) that is radial with respect to the hinge axis (24) is provided across a height that is smaller than the gudgeon height and a corresponding longitudinal section of the hinge pin (3) is provided with a complementary radial projection (23).

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