

Title (en)

DOOR STOP WITH INDETERMINATE RETAINING POSITIONS

Title (de)

TÜRSTOPPER MIT UNBESTIMMTEN HALTEPOSITIONEN

Title (fr)

ARRET DE PORTE A POSITIONS DE MAINTIEN INDETERMINEES

Publication

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Application

EP 06794188 A 20060717

Priority

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- FR 0508006 A 20050727

Abstract (en)

[origin: WO2007012729A1] The invention relates to a door stop with indeterminate retaining positions applicable in particular to motor vehicle openings comprising a hinged guide (1) secured to a fixed part (body) or to a movable part (door) and a mechanism (9) secured to the other part (door or body) in such a way that the guide (1) and the mechanism (9) are movable with respect to each other, wherein the retaining function is provided by a relative locking between said two elements (fig. 1). The mechanism (9) comprises a carriage (2) provided with a brake-roller (21) maintained in contact with the guide (1) and with a braking element (23) for locking the entire assembly. When a force greater than a predetermined unlocking threshold is applied on the door, the pin (22) of the roller (21) begins to slide into elongated lateral openings (25, 26) retaining it, until the roller (21) exits the brake element (23), thereby enabling it to be rotated and the assembly to be unlocked. The return to a locked position is automatically carried out by means of an elastic assembly (24), when the driving effort is stopped.

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