

Title (en)

Stepped door stop

Title (de)

Gestuftes Türstopper

Title (fr)

Dispositif d'arrêt de porte échelonné

Publication

**EP 2808473 A1 20141203 (EN)**

Application

**EP 14151586 A 20140117**

Priority

RO 201300405 A 20130527

Abstract (en)

The stepped door stop, as claimed by the present invention, comprise a progressive indexing rod (1) provided with a hole (a) at one end for fixing with a rivet (3) and at the other end with a bumping section (t) that is T-shaped in a horizontal plane, the progressive indexing rod being provided on two opposite faces with a channel (c) having a recess (b) for positioning during mounting, recesses (d1, d2,...,dn) for indexing during operation, a slide (2) with a relatively parallelepipedic shape, provided with an opening (f1), slots (f2) placed symmetrically towards the edges, a longitudinal cylindrical channel perpendicular to the axis of the opening (f1), said slide (2) also incorporating two heads of screws (10a) and (10b) that are positioned symmetrically for fixing to the door, two balls (4a) and (4b) for indexing, two compression springs (6a) and (6b) with progressive stiffness, two caps (8a) and (8b) provided with slots (8f) and (8f''), two U-shaped safety locks (7a) and (7b) and a fastening part (9) with an ovalized hole (o) for fixing with screws on the pillar, the progressive indexing rod (1) having a symmetric design, with progressive steps towards the bumping section (t), on two opposite sides, defining plane-parallel surfaces (s1), (s2) and (s3) containing channel (c) common to the surfaces and wherein the positioning recess (b) and indexing recesses (d1, d2, ..., dn) having a spherical or conical shape are machined.

IPC 8 full level

**E05C 17/22** (2006.01)

CPC (source: EP RU)

**E05C 17/203** (2013.01 - EP RU)

Citation (applicant)

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