

Title (en)

Mechanical travel regulator with controlled operation.

Title (de)

Mechanische Hubvorrichtung mit kontrollierter Bedienung.

Title (fr)

Dispositif mécanique de réglage en hauteur avec opération contrôlée.

Publication

**EP 0280012 A1 19880831 (EN)**

Application

**EP 88100300 A 19880112**

Priority

- IT 3490687 A 19871222
- IT 4680387 A 19870122

Abstract (en)

A mechanical regulator suitable for application on armchairs, easychairs, shutters and similar items, furniture generally speaking, consisting of a tubular casing (14) with central area housing a sealed cell (10) or a tubular body (51) containing a viscous fluid like oil or grease, in which the end area (20) or ( 5) having a protruding annular body (21) or gasket (54) of a coaxial item such as a central rod (18) provided with several concave annular seats (19) or external sleeve (29) or other similar members, is left free to slide. The inferior extremity of the aforesaid internal tubular casing (14) is constrained or linked with a piston (16) provided of a trunk-conic flare (17) on its top, matching the trunk-conic flare of the lower end of a second piston (24) also coaxial with the above mentioned rod (18), linked with the sliding sleeve (29). The superior piston (24) is provided of radial holes (26) housing some spheres (27), pushed inside the concave annular seats (19) on the central rod (18), when the trunk-conic flares (17), (25) are matching together.

IPC 1-7

**A47C 3/28**

IPC 8 full level

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IPC 8 main group level

**F16F** (2006.01)

CPC (source: EP)

**A47C 3/28** (2013.01)

Citation (search report)

- [A] US 2529861 A 19501114 - ANGELL ROBERT C, et al
- [A] GB 1461951 A 19770119 - FRENCH ENG LTD JOHN

Cited by

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