

Title (en)  
Torque control hinge

Title (de)  
Scharnier mit Drehmomentregelung

Title (fr)  
Charnière à couple contrôlé

Publication  
**EP 1174576 B1 20050420 (FR)**

Application  
**EP 01401840 A 20010710**

Priority  
FR 0009342 A 20000717

Abstract (en)  
[origin: EP1174576A1] The hinge comprises a cartridge placed in the fixed and movable barrels. The cartridge comprises a radially deformable cylinder body (8) having an internal cavity open at one end of the body. The other end of the body comprises a bottom (11) with an axial tapped hole. A screw (12) is housed axially in the cavity and its threaded end (15) engages the tapped hole and its head (13) is located at the cavity inlet. Elastomer sleeves (18) and spacers (16) are alternately threaded on the screw shank (14) and fill the cavity. The clamping screw causes compression of the sleeves and an expansion of the cylindrical body peripheral wall (9). The sleeves are placed opposite the movable barrels. In addition there are axial ribs (19a,19b) on the body to immobilize it in the fixed barrels.

IPC 1-7  
**E05D 11/08**; **E05D 5/10**

IPC 8 full level  
**E05D 11/08** (2006.01); **E05D 5/10** (2006.01)

CPC (source: EP)  
**E05D 11/082** (2013.01); **E05D 5/10** (2013.01)

Cited by  
US6951266B2; FR2858004A1; KR100901595B1; EP1335090A1; FR2835581A1; US10331165B2

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