

Title (en)  
Closure mechanism

Title (de)  
Schliessermechanismus

Title (fr)  
Mécanisme de fermeture

Publication  
**EP 1845226 A1 20071017 (EN)**

Application  
**EP 06112642 A 20060413**

Priority  
EP 06112642 A 20060413

Abstract (en)  
A closure mechanism C comprising a first part 1, a second part 2, a resilient element 4, such as a coil spring, a motion converting means 6, such as a rack-and-pinion gearing, comprising a rotary output element 6o and a rotary braking device 7, such as a centrifugal brake, comprising a rotary input element 7i directly or indirectly coupled to said rotary output element 6o at least during movement of the first part 1 towards said first position, so as to be rotated thereby. The first part 1 and the second part 2 are assembled to each other so that said first part 1 is guided in a translational motion relative to the second part 2 between a first and a second position. The resilient element 4 is placed between said first and second parts 1, 2 so as to urge the first part 1 towards said first position. The motion converting means 6 converts the translational motion of said first part 1 relative to said second part 2 into a rotational motion of said rotary output element 6o, which is transmitted to the rotary input element 7i, and the rotary braking device 7 brakes its rotary input element 7i with a variable braking torque which increases and decreases with the rotational speed of said rotary input element 7i.

IPC 8 full level  
**E05F 3/10** (2006.01); **E05F 3/16** (2006.01)

CPC (source: EP)  
**E05F 3/108** (2013.01); **E05F 3/16** (2013.01); **E05Y 2201/21** (2013.01); **E05Y 2201/242** (2013.01); **E05Y 2201/26** (2013.01); **E05Y 2201/266** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

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