

Title (en)  
SIMPLE DOOR HINGE

Title (de)  
EINFACHES TÜRSCHARNIER

Title (fr)  
CHARNIÈRE DE PORTE SIMPLE

Publication  
**EP 2955307 A1 20151216 (EN)**

Application  
**EP 15165260 A 20150427**

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Abstract (en)  
The invention relates to a simple door hinge, characterized by comprising: an outer housing, an inner housing, a mounting base, a hinge cup, a connection member, a linkage, a U-shaped pivot, a torsional spring, a first pivot, a second pivot, a push means, a first pin and a damping cylinder; wherein the inner housing is fixedly mounted within the outer housing, with a space form between both side walls and a top surface of the inner housing and both side walls and a top surface of the outer housing, wherein the mounting base is inserted in the space between the outer housing and inner housing; wherein the U-shaped pivot is mounted in the hinge cup and the left ends of the connection member and the linkage, respectively, are pivotably connected to the U-shaped pivot; wherein the first pivot and the second pivot are mounted in a left end of the outer housing, a right end of the connection member being pivotably connected to first pivot and the torsional spring being disposed around the first pivot, with one end of the torsional spring abutting on the outer housing and the other end of the torsional spring abutting on the connection member; and wherein the damping cylinder is fixedly mounted within the inner housing by means of the first pin, a piston rod of the damping cylinder at an end is threadedly connected with the right end of the push means and a left end of the push means engages with a right end of the linkage. Its advantages lie in the detachable outer housing and the mounting base, ease of assembly and disassembly, compact configuration, small size and simple structure.

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Citation (search report)  
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