

Title (en)  
DAMPING DEVICE FOR FURNITURE HINGES

Title (de)  
DÄMPFUNGSVORRICHTUNG FÜR MÖBELSCHARNIERE

Title (fr)  
DISPOSITIF AMORTISSEUR POUR DES CHARNIERES DE MEUBLES

Publication  
**EP 1725727 B1 20080423 (DE)**

Application  
**EP 04763845 A 20040806**

Priority  
• EP 2004008806 W 20040806  
• DE 202004003862 U 20040312

Abstract (en)  
[origin: US2007157429A1] Damping device ( 30 ) for hinges ( 10 ) for the pivotable articulation of door leaves ( 12 ) or door flaps on the carcass of pieces of furniture, in which the hinge has respectively a supporting wall mounting part ( 18 ) which can be fixed on the supporting wall ( 14 ) and a door leaf mounting part ( 24 ) which is pivotably coupled via a linkage mechanism ( 20; 22 ) to the supporting wall mounting part and can be fixed on the inner face of the door leaf or flap, and which is preferably constructed as a cup part which is countersunk and engages in a recess in the door leaf or flap and has a laterally projecting fixing flange which bears on the inner face of the door leaf. The damping device ( 30 ) has a damper housing which is provided on the door leaf mounting part ( 24 ) and which is provided in the cavity thereof with a fluid or gaseous damping medium and a resistance element which is movable relative to the damping medium and is coupled to an actuating element ( 39 ) which extends out of the housing. At least during part of the pivoting movement of the mounting parts ( 18, 24 ) relative to one another the actuating element is in engaged connection directly or indirectly with the supporting wall mounting part ( 18 ) and transmits to the resistance element the relative movement of the mounting parts as they pivot. The damper housing ( 32 ) is a separate component which is provided with laterally projecting fixing flanges ( 38, 46 ) which can be fixed on the fixing flanges of the door leaf mounting part ( 24 ).

IPC 8 full level  
**E05F 5/10** (2006.01); **E05D 3/06** (2006.01); **E05D 5/08** (2006.01); **E05F 5/02** (2006.01)

CPC (source: EP US)  
**E05F 5/006** (2013.01 - EP US); **E05Y 2201/21** (2013.01 - EP US); **E05Y 2201/256** (2013.01 - EP US); **E05Y 2201/264** (2013.01 - EP US); **E05Y 2201/638** (2013.01 - EP US); **E05Y 2600/46** (2013.01 - EP US); **E05Y 2800/70** (2013.01 - EP US); **E05Y 2900/20** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**US 2007157429 A1 20070712; US 7669285 B2 20100302**; AT E393285 T1 20080515; CA 2560394 A1 20050922; CA 2560394 C 20100907; CN 1926298 A 20070307; CN 1926298 B 20100922; DE 202004011636 U1 20040923; DE 502004006967 D1 20080605; EP 1725727 A1 20061129; EP 1725727 B1 20080423; ES 2304619 T3 20081016; HK 1101047 A1 20071005; JP 2007528952 A 20071018; JP 4908393 B2 20120404; PL 1725727 T3 20080930; SI 1725727 T1 20081031; WO 2005088052 A1 20050922

DOCDB simple family (application)  
**US 59875404 A 20040806**; AT 04763845 T 20040806; CA 2560394 A 20040806; CN 200480042408 A 20040806; DE 202004011636 U 20040724; DE 502004006967 T 20040806; EP 04763845 A 20040806; EP 2004008806 W 20040806; ES 04763845 T 20040806; HK 07106090 A 20070607; JP 2007502199 A 20040806; PL 04763845 T 20040806; SI 200430791 T 20040806