

Title (en)
DAMPING DEVICE

Title (de)
DÄMPFUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'AMORTISSEMENT

Publication
EP 1404938 A1 20040407 (DE)

Application
EP 02782435 A 20020504

Priority
• DE 20111085 U 20010706
• DE 20115250 U 20010914
• EP 0204915 W 20020504

Abstract (en)
[origin: WO03004817A1] The invention relates to a damping device (30) for parts of furniture which are joined together by means of hinges (10) and which can be pivoted in relation to each other, especially door leaves (12) or folds which are mounted on the body of the piece of furniture comprising a damping housing (32) arranged on one of the parts of said pieces of furniture (12; 14). The housing contains a damping fluid in the cavity thereof and a resistive element which can be displaced relative to the damping fluid and connected to a coupling element protruding from the housing. During at least one part of the pivoting movement of both pieces of furniture (12; 14), said actuated element is drivingly connected to the second piece of furniture and transfers the movement distributed to the second piece of furniture to the resistance element. The damping device (30) is arranged in the region of at least one of the hinges (10) which pivotably couples both pieces of furniture (12; 14), and whereby either the damping housing (32) and/or the actuating element (42) engages with one of the stop element (18, 24) of the corresponding hinges (10), at least during the damping process.

IPC 1-7
E05F 5/02

IPC 8 full level
E05D 3/06 (2006.01); **E05D 11/10** (2006.01); **E05F 5/00** (2006.01); **E05F 5/02** (2006.01); **E05F 5/10** (2006.01)

CPC (source: EP US)
E05D 3/142 (2013.01 - EP US); **E05D 3/183** (2013.01 - EP US); **E05D 11/1021** (2013.01 - EP US); **E05F 5/006** (2013.01 - EP US); **E05F 5/02** (2013.01 - EP US); **E05F 5/10** (2013.01 - EP US); **E05Y 2201/21** (2013.01 - EP US); **E05Y 2201/254** (2013.01 - EP US); **E05Y 2201/256** (2013.01 - EP US); **E05Y 2201/264** (2013.01 - EP US); **E05Y 2201/266** (2013.01 - EP US); **E05Y 2201/624** (2013.01 - EP US); **E05Y 2201/688** (2013.01 - EP US); **E05Y 2201/722** (2013.01 - EP US); **E05Y 2600/45** (2013.01 - EP US); **E05Y 2600/46** (2013.01 - EP US); **E05Y 2800/00** (2013.01 - EP US); **E05Y 2800/205** (2013.01 - EP US); **E05Y 2800/21** (2013.01 - EP US); **E05Y 2800/70** (2013.01 - EP US); **E05Y 2900/20** (2013.01 - EP US)

Citation (search report)
See references of WO 03004817A1

Cited by
AT503983B1; DE112007001747B4; EP2060719A2; WO2008009345A1; DE212007000088U1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
DE 20115250 U1 20021114; AT E298834 T1 20050715; AT E331110 T1 20060715; DE 50203519 D1 20050804; DE 50207345 D1 20060803; DK 1538293 T3 20061030; EP 1404938 A1 20040407; EP 1404938 B1 20050629; EP 1404938 B2 20110309; EP 1538293 A1 20050608; EP 1538293 B1 20060621; ES 2245409 T3 20060101; ES 2245409 T5 20110714; ES 2267080 T3 20070301; US 2004205935 A1 20041021; US 2007062366 A1 20070322; US 7275284 B2 20071002; US 7562416 B2 20090721; WO 03004817 A1 20030116

DOCDB simple family (application)
DE 20115250 U 20010914; AT 02782435 T 20020504; AT 05002623 T 20020504; DE 50203519 T 20020504; DE 50207345 T 20020504; DK 05002623 T 20020504; EP 0204915 W 20020504; EP 02782435 A 20020504; EP 05002623 A 20020504; ES 02782435 T 20020504; ES 05002623 T 20020504; US 48254503 A 20031230; US 54292206 A 20061004