

Title (en)

Opening and closing mechanism for door

Title (de)

Öffnungs- und Schliessmechanismus für eine Tür

Title (fr)

Mécanisme de fermeture et d'ouverture pour porte

Publication

EP 1113137 A1 20010704 (EN)

Application

EP 99890404 A 19991230

Priority

EP 99890404 A 19991230

Abstract (en)

A restraining force is applied to a door 2 immediately prior to total closure of a rotating door of furniture used for storage. Thus rapid closure of the door is prevented and associated noise and vibration are suppressed. The opening and closing mechanism for a rotating door 2 which opens and closes an opened section 2 of furniture 1 used for storage is provided with a hinge 3 with a spring which supports a rotational center of the door 2 with respect to the frame 4 of the furniture 1 used for storage and which biases the door 2 in a direction of closure. Furthermore a damping device 5 is provided which comes into contact with an inner surface of the door 2 when the door 2 is near total closure and applies a restraining force to the door 2. The damping device 5 is buried in a section of the frame 4. <IMAGE>

IPC 1-7

E05F 5/02

IPC 8 full level

E05F 5/02 (2006.01); **E05F 5/10** (2006.01)

CPC (source: EP)

E05F 5/02 (2013.01); **E05F 5/10** (2013.01); **E05Y 2201/21** (2013.01); **E05Y 2201/256** (2013.01); **E05Y 2201/264** (2013.01); **E05Y 2600/41** (2013.01); **E05Y 2900/20** (2013.01)

Citation (search report)

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