

Title (en)  
AUTOMATIC RETRACTING DEVICE FOR A MOVABLE FURNITURE ELEMENT

Title (de)  
SELBSTEINZUGSVORRICHTUNG FÜR BEWEGLICHE MÖBELTEILE

Title (fr)  
DISPOSITIF DE RENTREE AUTOMATIQUE POUR ELEMENTS DE MEUBLE MOBILES

Publication  
**EP 1858370 A1 20071128 (DE)**

Application  
**EP 06724946 A 20060306**

Priority  
• EP 2006060483 W 20060306  
• DE 202005004336 U 20050317

Abstract (en)  
[origin: WO2006097413A1] The invention relates to an automatic retracing device (1) for a movable furniture element such as sliding doors (40), foldable doors and the similar comprising a modular unit (2) consisting of an energy storage (2a) which is prestressable when said movable furniture element (40) is opened and whose stored energy is used as assisting means in the case of moving into a final closing position and a slider displaceable in parallel with the movable furniture element (40), connected to the energy storage (2a) and comprising an actuator (2c) which is coupled with the movable furniture element (40) to a predefined opening position, is automatically disconnectable when said position is reached and locks the energy storage (2a) in said position. The inventive modular unit (2) is fixed in a housing (4) inside of which an adapter (3) connectable to the actuator (2c) of the modular unit (2) is longitudinally displaceable and is provided with a flexible coupling section for a drive (5) fixed to the movable furniture element (40).

IPC 8 full level  
**A47B 88/04** (2006.01); **E05F 1/16** (2006.01); **E05F 5/02** (2006.01)

CPC (source: EP)  
**A47B 88/467** (2016.12); **E05F 1/16** (2013.01); **E05F 5/003** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2800/40** (2013.01); **E05Y 2800/45** (2013.01); **E05Y 2900/20** (2013.01)

Citation (search report)  
See references of WO 2006097413A1

Cited by  
WO2017036795A1; CN107923206A; WO2012107029A3; DE102015114392A1; EP1817984B1

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

DOCDB simple family (publication)  
**WO 2006097413 A1 20060921**; AT E529018 T1 20111115; CN 101141901 A 20080312; CN 101141901 B 20101222; DE 202005004336 U1 20050623; EP 1858370 A1 20071128; EP 1858370 B1 20111019; ES 2375300 T3 20120228; RU 2007137459 A 20090427; RU 2386378 C2 20100420

DOCDB simple family (application)  
**EP 2006060483 W 20060306**; AT 06724946 T 20060306; CN 200680008563 A 20060306; DE 202005004336 U 20050317; EP 06724946 A 20060306; ES 06724946 T 20060306; RU 2007137459 A 20060306