

Title (en)  
SAFETY DEVICE AND MECHANISM COMPRISING ONE SUCH DEVICE, USED TO MANOEUVRE A CLOSING OR SUN PROTECTION  
INSTALLATION

Title (de)  
SICHERHEITSEINRICHTUNG UND BETÄTIGUNGSVORRICHTUNG EINER SCHLIESS- ODER SONNENSCHUTZEINRICHTUNG MIT EINER  
SOLCHEN EINRICHTUNG

Title (fr)  
DISPOSITIF DE SECURITE ET MECANISME DE MANOEUVRE D'UNE INSTALLATION DE FERMETURE OU DE PROTECTION SOLAIRE  
INCORPORANT UN TEL DISPOSITIF

Publication  
**EP 1488070 A1 20041222 (FR)**

Application  
**EP 03727616 A 20030327**

Priority  
• FR 0300971 W 20030327  
• FR 0203942 A 20020328

Abstract (en)  
[origin: WO03083246A1] The invention relates to a mechanism (1) comprising a shaft (3) and an element (8) provided with teeth (89) for co-operating with a catch (6) which oscillates during rotational movements of said shaft (3), for driving a closure means (T) of an opening (O). The inventive mechanism is also provided with a safety system comprising braking means (20) or means for blocking the catch (6) in its oscillatory movement, said braking or blocking means being controlled by means (8, 9, 30) for detecting the state of a spring (10) used to compensate the torque exerted on the shaft (3) by the closing means which can be an apron (T).

IPC 1-7  
**E06B 9/84**

IPC 8 full level  
**E06B 9/84** (2006.01)

CPC (source: EP US)  
**E05D 13/1269** (2013.01 - EP US); **E06B 9/84** (2013.01 - EP US); **E05F 15/681** (2015.01 - EP US); **E05Y 2201/482** (2013.01 - EP US); **E05Y 2900/00** (2013.01 - EP US); **E05Y 2900/106** (2013.01 - EP US)

Citation (search report)  
See references of WO 03083246A1

Cited by  
IT202100030353A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 03083246 A1 20031009**; AU 2003233854 A1 20031013; EP 1488070 A1 20041222; EP 1488070 B1 20140430; FR 2837866 A1 20031003; FR 2837866 B1 20050923; JP 2005521817 A 20050721; JP 4549065 B2 20100922; US 2005109473 A1 20050526; US 7600553 B2 20091013

DOCDB simple family (application)  
**FR 0300971 W 20030327**; AU 2003233854 A 20030327; EP 03727616 A 20030327; FR 0203942 A 20020328; JP 2003580666 A 20030327; US 50852204 A 20040921