

Title (en)

Electrically actuated blocking device for a door or window and use of a piezoelectric actuator and/or magnetostrictive actuator and/or a memory-shape actuator

Title (de)

Elektrisch schaltbare Zuhaltvorrichtung für ein Fenster oder eine Tür sowie Anwendung eines piezoelektrischen Aktors und/oder eines magnetostruktiven Aktors und/oder eines Shape-Memory-Aktors

Title (fr)

Dispositif de blocage actionnable électriquement pour une fenêtre ou une porte et usage d'un actionneur piézo électrique et/ou d'un actionneur magnétostrictif et/ou d'un actionneur à effet mémoire

Publication

EP 0757145 A3 19980610 (DE)

Application

EP 96112067 A 19960726

Priority

- DE 19528214 A 19950801
- DE 19617151 A 19960429

Abstract (en)

[origin: EP0757145A2] The device has a piezoelectric actuator (7) and/or a magnetostrictive actuator and/or a shape-memory actuator. The device has a closure plate (61) with an interworking locking element (51), one of which carries the actuator. The closure plate is mounted on the frame in the door or window aperture and the locking element is mounted on the opening panel. The pref. movable closure plate, esp. a pivoting plate, engages behind the locking element, with the door or window in the closed position.

IPC 1-7

E05B 47/00

IPC 8 full level

E05B 47/00 (2006.01); **E05B 47/04** (2006.01)

CPC (source: EP)

E05B 47/0009 (2013.01); **E05B 47/0011** (2013.01); **E05B 47/0046** (2013.01); **E05B 2047/0068** (2013.01)

Citation (search report)

- [X] DE 3820877 A1 19891228 - KERN & LIEBERS [DE]
- [X] DE 1103808 B 19610330 - SIGNAL STAT CORP
- [X] FR 1581402 A 19690912
- [X] DE 1815720 A1 19700625 - SIEMENS ELEKTROGERAETE GMBH
- [X] GB 2208678 A 19890412 - LOWE & FLETCHER LTD [GB]
- [X] EP 0580147 A1 19940126 - STABILUS GMBH [DE]
- [PX] WO 9612828 A1 19960502 - NANOTECHNOLOGY INC [US] & EP 0787216 A1 19970806 - NANOTECHNOLOGY INC [US]

Cited by

WO9939069A1; CN111441669A; EP0764752A3; CN100441824C; DE10329636A1; DE10329636B4; DE19935119B4; DE10043582A1; EP1284473A3; EP3725984A1; DE10116837C1; GB2458758B; US11187022B1; US9255425B2; WO111169A1; US7270355B2; WO03087503A1; WO2005026479A1; WO2011015324A1; WO2022267132A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0757145 A2 19970205; EP 0757145 A3 19980610

DOCDB simple family (application)

EP 96112067 A 19960726