Title (en)
Security blocking device

Title (de)
Sicherheitszuhaltung

Title (fr)
Dispositif de blocage de sécurité

Publication
EP 1447500 A3 20070509 (DE)

Application
EP 04002276 A 20040203

Priority
DE 10305704 A 20030212

Abstract (en)
[origin: DE10305704B3] The security restraint has a sliding operating element (4) of an operating device (1) for the door or window received within a restraint device (2) when the door or window is closed and locked by an electromagnetically pivoted locking bolt (16), the operating element having a release element and the restraint device having a corresponding response element (32) providing an electrical signal for release of the restraint. The locking bolt pivots about an axis parallel to the movement direction of the operating element, the engaging surfaces of the locking bolt and the operating element lying perpendicular to this movement direction.

IPC 8 full level
E05B 17/22 (2006.01); **E05B 15/02** (2006.01); **E05B 47/00** (2006.01); **E05B 47/06** (2006.01); E05B 63/04 (2006.01)

CPC (source: BR EP US)
E05B 47/0046 (2013.01 - BR EP US); E05B 63/04 (2013.01 - EP US); E05B 2047/0069 (2013.01 - EP US); Y10T 70/7057 (2015.04 - EP US); Y10T 70/7068 (2015.04 - EP US); Y10T 292/1021 (2015.04 - EP US); Y10T 292/11 (2015.04 - EP US); Y10T 292/68 (2015.04 - EP US); Y10T 292/699 (2015.04 - EP US); Y10T 292/702 (2015.04 - EP US)

Citation (search report)
- [DA] EP 1071214 A1 20010124 - SCHMERSAL K A GMBH & CO [DE]
- [DA] US 6283514 B1 20010904 - LETZEL HELMUT [DE]
- [A] WO 8503970 A1 19850912 - SMITH DONALD BEBBINGTON
- [A] DE 19800713 A1 19990715 - FRIEDL HELMUT DIPL ING [AT]
- [A] DE 29703758 U1 19970612 - HOCHECKER LUDWIG [DE], et al

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

Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
DE 10305704 B3 20040624; BR PI0400490 A 20041130; BR PI0400490 B1 20160503; CN 100398775 C 20080702; CN 1523187 A 20040825; DE 502004008670 D1 20090129; EP 1447500 A2 20040818; EP 1447500 A3 20070509; EP 1447500 B1 20081217; JP 2004245039 A 20040902; JP 4001870 B2 20071031; US 2004159134 A1 20040819; US 2007029813 A1 20070208; US 7357429 B2 20080415

DOCDB simple family (application)
DE 10305704 A 20030212; BR PI0400490 A 20040210; CN 200410003911 A 20040209; DE 502004008670 T 20040203; EP 04002276 A 20040203; JP 2004021869 A 20040129; US 47896706 A 20060629; US 77678404 A 20040211