Title (en)

Lock equipped with a protection device against break-in attempts

Title (de)

Schloss mit Schutzeinrichtung gegen Einbruchsversuche

Title (fr)

Serrure comprenant un dispositif de protection contre les tentatives d'effraction

Publication

EP 1070812 A1 20010124 (FR)

Application

EP 00402054 A 20000719

Priority

FR 9909599 A 19990723

Abstract (en)

Lock has case (1), security block (3) passing through case and protection device (5) against attempted break in. Protection device has shield (9), fixed against one of case side faces, provided with orifice (10) giving passage for part of security block. It also has spring (20) housed in groove (21) in security block and in part of reinforcement (22) in shield face which is applied against case.

Abstract (fr)

La serrure selon l'invention comprend un coffre (1), un bloc de sûreté (3) traversant le coffre, et un dispositif (5) de protection contre les tentatives d'effraction. Selon l'invention, le dispositif de protection (5) comprend un bouclier (9) fixé contre l'une des faces latérales du coffre (1) et pourvu d'un orifice (10) livrant passage à une partie du bloc de sûreté (3), ainsi qu'un organe rapporté (20) logé en partie dans au moins une rainure (21) ménagée dans le bloc de sûreté et en partie dans au moins un renfoncement (22) ménagé dans la face du bouclier (9) qui est appliquée entre le coffre. <IMAGE>

IPC 1-7 (main, further and additional classification)

E05B 17/20; E05B 15/02

IPC 8 full level (invention and additional information)

E05B 15/16 (2006.01); E05B 15/02 (2006.01); E05B 17/20 (2006.01)

CPC (invention and additional information)

E05B 15/1614 (2013.01); E05B 15/02 (2013.01); E05B 17/2084 (2013.01)

Citation (search report)

- [XA] DE 29506488 U1 19950608 - BORRMANN ROLAND [DE]
- [X] EP 0281519 A2 19880907 - KELLER ERNST
- [A] DE 9210795 U1 19931216 - NIEMANN HANS DIETER [DE]
- [A] EP 0442047 A2 19910821 - MELCHERT BESCHLAEGE [DE]
- [A] CH 571633 A5 19760115 - LOEPFE K AUTOMATION AG
- [A] DE 8717477 U1 19881110
- [A] DE 19525196 A1 19970116 - GOLUB DANIJEL [DE]

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NL1019991C2; GB2473662A; GB2512579A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

EPO simple patent family

EP 1070812 A1 20010124; EP 1070812 B1 20041117; AT 282753 T 20041215; DE 60015869 D1 20041223; DE 60015869 T2 20051020; ES 2230041 T3 20050501; FR 2796667 A1 20010126; FR 2796667 B1 20021213

INPADOC legal status

2018-04-30 [PG25 DE] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

- Ref Country Code : DE
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20180201

2018-04-30 [PG25 GB] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

- Ref Country Code : GB
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20170719

2018-03-28 [GBPC] GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE

- Effective date : 20170719

2018-02-01 [REG DE R119] APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE

- Document : DE 60015869

2017-10-31 [PGFP FR] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

- Ref Country Code : FR
- Payment date : 20170731
- Year of fee payment : 18

2017-07-31 [REG FR PLFP] FEE PAYMENT
- Year of fee payment : 18

2016-12-30 [PGFP ES] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : ES
- Payment date : 20160729
- Year of fee payment : 17

2016-10-31 [PGFP DE] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : DE
- Payment date : 20160719
- Year of fee payment : 17

2016-10-31 [PGFP GB] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : GB
- Payment date : 20160719
- Year of fee payment : 17

2016-10-31 [PGFP IT] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : IT
- Payment date : 20160725
- Year of fee payment : 17

2016-07-29 [REG FR PLFP] FEE PAYMENT
- Year of fee payment : 17

2008-01-02 [PG25 PT] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : PT
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20050417

2007-12-31 [BERE] BE: LAPSED
- Owner name : S.A. *BRICARD
- Effective date : 20050731

2006-03-15 [REG CH PL] PATENT CEASED

2005-11-09 [26N] NO OPPOSITION FILED
- Effective date : 20050818

2005-07-31 [PG25 BE] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : BE
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20050731

2005-07-31 [PG25 CH] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : CH
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20050731

2005-07-31 [PG25 LI] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : LI
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20050731

2005-07-31 [PG25 MC] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : MC
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20050731

2005-07-19 [PG25 CY] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : CY
- Free text : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
- Effective date : 20050719

2005-07-19 [PG25 LU] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

- Ref Country Code : LU
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20050719

2005-06-29 [REG IE FD4D] EUROPEAN PATENTS DESIGNATING IRELAND TREATED AS ALWAYS HAVING BEEN VOID

2005-05-02 [NLV1] NL: LAPSED OR ANNULLED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT

2005-05-01 [REG ES FG2A] DEFINITIVE PROTECTION
- Document : ES 2230041 T3

2005-04-06 [GBT] GB: TRANSLATION OF EP PATENT FILED (GB SECTION 77(6)(A)/1977)
- Effective date : 20050316

2005-02-17 [PG25 DK] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : DK
- Free text : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
- Effective date : 20050217

2005-02-17 [PG25 GR] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : GR
- Free text : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
- Effective date : 20050217

2005-02-17 [PG25 SE] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : SE
- Free text : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
- Effective date : 20050217

2004-12-23 [REF] CORRESPONDS TO:
- Document : DE 60015869 P 20041223

2004-12-15 [REG IE FG4D] EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
- Free text : FRENCH

2004-11-30 [REG CH EP] ENTRY IN THE NATIONAL PHASE

2004-11-17 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : B1
- Designated State(s) : AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

2004-11-17 [REG GB FG4D] EUROPEAN PATENT GRANTED
- Free text : NOT ENGLISH

2004-11-17 [PG25 AT] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : AT
- Free text : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
- Effective date : 20041117

2004-11-17 [PG25 FI] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : FI
- Free text : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
- Effective date : 20041117

2004-11-17 [PG25 IE] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : IE
- Free text : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
- Effective date : 20041117

2004-11-17 [PG25 NL] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : NL

- Free text : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
- Effective date : 20041117

2003-11-19 [17Q] FIRST EXAMINATION REPORT
- Effective date : 20031006

2001-10-10 [AKX] PAYMENT OF DESIGNATION FEES
- Free text : AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

2001-07-18 [17P] REQUEST FOR EXAMINATION FILED
- Effective date : 20010522

2001-01-24 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : A1
- Designated State(s) : AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

2001-01-24 [AX] REQUEST FOR EXTENSION OF THE EUROPEAN PATENT TO:
- Free text : AL;LT;LV;MK;RO;SI