Title (en)

DEVICE AND METHOD FOR SAFE TRANSPORT ON AN OBJECT

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SICHEREN TRANSPORT EINES GEGENSTANDES

Title (fr)

DISPOSITIF ET PROCEDE DE TRANSPORT SECURISE D'UN OBJET

Publication

EP 1255906 A1 20021113 (FR)

Application

EP 01907805 A 20010215

Priority

- FR 0100445 W 20010215
- FR 0001887 A 20000216

Abstract (en)

[origin: WO0161134A1] The invention concerns a device (2) for safe transport of an object (3) characterised in that it comprises: (a) means (4, 6) for containing an object (3) to be transported, or container, and closure means (6, 8, 10, 14) for closing said object-containing means (4, 6) or said container; (b) communicating means (16, 18) for connecting the object-containing means or container, to a communication network and for sending, over said communication network, a signal concerning a state of the object-containing means or container; (c) reception means (16, 18) for receiving a signal for opening the means closing the object-containing means.

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

E05G 1/00; A45C 13/24; E05G 1/14; G07F 9/06

IPC 8 full level (invention and additional information)

A45C 13/24 (2006.01); **E05G 1/00** (2006.01); **E05G 1/14** (2006.01); **G07D 11/00** (2006.01); **G07F 9/06** (2006.01)

CPC (invention and additional information)

E05G 1/14 (2013.01); **A45C 13/24** (2013.01); **E05G 1/005** (2013.01); **G07D 11/0009** (2013.01); **G07F 9/06** (2013.01)

Citation (search report)

See references of WO 0161134A1

Cited by

DE102005003150A1; DE102005003150B4

Designated contracting state (EPC)

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

EPO simple patent family

WO 0161134 A1 20010823; AT 304111 T 20050915; AU 3568301 A 20010827; CA 2400392 A1 20010823; DE 60113234 D1 20051013; DE 60113234 T2 20060713; EP 1255906 A1 20021113; EP 1255906 B1 20050907; ES 2249412 T3 20060401; FR 2804994 A1 20010817; FR 2804994 B1 20030627; US 2003011466 A1 20030116

INPADOC legal status

2010-04-30 [PG25 FR] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

- Ref Country Code : FR
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20090302

2009-11-27 [REG FR ST] NOTIFICATION OF LAPSE

- Effective date : 20091030

2009-08-31 [PG25 IT] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

- Ref Country Code : IT
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20080215

2009-07-31 [PG25 ES] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

- Ref Country Code : ES
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20080216

2009-06-30 [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 : 20080215

2009-05-04 [REG ES FD2A] ANNOUNCEMENT OF LAPSE IN SPAIN

- Effective date : 20080216

2009-02-27 [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 : 20080228

2009-01-30 [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 : 20080902

2009-01-30 [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 NON-PAYMENT OF DUE FEES
- Effective date : 20080215

2008-11-28 [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 NON-PAYMENT OF DUE FEES
- Effective date : 20080901

2008-11-28 [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 NON-PAYMENT OF DUE FEES
- Effective date : 20080215

2008-11-28 [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 : 20050907

2008-11-26 [REG IE MM4A] PATENT LAPSED

2008-11-03 [NLV4] NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE
- Effective date : 20080901

2008-10-31 [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 : 20080229

2008-10-31 [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 : 20080229

2008-10-31 [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 : 20080818

2008-10-29 [GBPC] GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
- Effective date : 20080215

2008-09-30 [REG CH PL] PATENT CEASED

2008-08-31 [BERE] BE: LAPSED
- Owner name : *INTACTUS
- Effective date : 20080228

2008-08-29 [REG PT MM4A] ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES, SEARCHED AND EXAMINED PATENT
- Free text : LAPSE DUE TO NON-PAYMENT OF FEES
- Effective date : 20080818

2008-07-31 [PG25 TR] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

- Ref Country Code : TR
- 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 : 20050907

2008-04-30 [PGFP FR] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : FR
- Payment date : 20071128
- Year of fee payment : 8

2008-01-31 [PGFP IT] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : IT
- Payment date : 20070702
- Year of fee payment : 7

2007-02-28 [PGFP BE] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : BE
- Payment date : 20070228
- Year of fee payment : 7

2007-02-15 [PGFP CH] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : CH
- Payment date : 20070215
- Year of fee payment : 7

2007-02-15 [PGFP ES] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : ES
- Payment date : 20070215
- Year of fee payment : 7

2007-02-09 [PGFP DE] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : DE
- Payment date : 20070209
- Year of fee payment : 7

2007-02-09 [PGFP GB] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : GB
- Payment date : 20070209
- Year of fee payment : 7

2007-01-29 [PGFP PT] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : PT
- Payment date : 20070129
- Year of fee payment : 7

2007-01-23 [PGFP IE] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : IE
- Payment date : 20070123
- Year of fee payment : 7

2007-01-18 [PGFP AT] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : AT
- Payment date : 20070118
- Year of fee payment : 7

2007-01-17 [PGFP NL] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : NL
- Payment date : 20070117
- Year of fee payment : 7

2006-08-16 [26N] NO OPPOSITION FILED
- Effective date : 20060608

2006-04-01 [REG ES FG2A] DEFINITIVE PROTECTION
- Document : ES 2249412 T3

2006-02-28 [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 : 20060228

2006-02-28 [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 : 20060228

2006-02-01 [GBT] GB: TRANSLATION OF EP PATENT FILED (GB SECTION 77(6)(A)/1977)
- Effective date : 20060109

2006-01-13 [REG CH NV] NEW AGENT
- Representative's name : MICHELI & CIE INGENIEURS-CONSEILS

2005-12-07 [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 : 20051207

2005-12-07 [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 : 20051207

2005-12-07 [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 : 20051207

2005-10-13 [REF] CORRESPONDS TO:
- Document : DE 60113234 P 20051013

2005-10-05 [REG IE FG4D] EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
- Free text : LANGUAGE OF EP DOCUMENT: FRENCH

2005-09-15 [REG CH EP] ENTRY IN THE NATIONAL PHASE

2005-09-07 [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 TR

2005-09-07 [REG GB FG4D] EUROPEAN PATENT GRANTED
- Free text : NOT ENGLISH

2005-09-07 [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 : 20050907

2004-06-09 [17Q] FIRST EXAMINATION REPORT
- Effective date : 20040421

2004-03-31 [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION
- Owner name : INTACTUS

2003-01-02 [RIN1] INVENTOR CHANGED BEFORE GRANT
- Inventor name : RICHARD, ALAIN

2003-01-02 [RIN1] INVENTOR CHANGED BEFORE GRANT
- Inventor name : SAMUEL, FRANCIS

2003-01-02 [RIN1] INVENTOR CHANGED BEFORE GRANT
- Inventor name : LEGORJUS, PHILIPPE

2003-01-02 [RIN1] INVENTOR CHANGED BEFORE GRANT
- Inventor name : LAURENT, PHILIPPE

2003-01-02 [RIN1] INVENTOR CHANGED BEFORE GRANT
- Inventor name : CARADONNA, BENITO-JEAN

2002-11-13 [17P] REQUEST FOR EXAMINATION FILED
- Effective date : 20020809

2002-11-13 [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 TR

2002-11-13 [AX] REQUEST FOR EXTENSION OF THE EUROPEAN PATENT TO:
- Free text : AL;LT;LV;MK;RO;SI