Title (en)
Sliding door assembly

Title (de)
Schiebetüranlage

Title (fr)
Porte glissante

Publication
EP 0822310 B1 20030604 (DE)

Application
EP 97113347 A 19970801

Priority
- DE 19631051 A 19960801
- DE 19637136 A 19960912
- DE 19651331 A 19961211
- DE 19700852 A 19970113

Abstract (en)
[origin: EP0822310A2] The panel (1) has two panes of glass separated by a peripheral distance holder. A carrier and edge sealing element (5) is partially overlapped by pane, looking perpendicularly at the plane of the pane. The distance holder and carrier element can be made separately and mounted at a distance apart. Alternatively, they can be joined, preferably made in one piece. The panel has a slide running device (6) anchored in the carrier or edge sealing element.

IPC 1-7 (main, further and additional classification)
E06B 3/02; E05D 15/06; E06B 3/46; E06B 3/66

IPC 8 full level (invention and additional information)
E05D 15/06 (2006.01); **E05F 15/12** (2006.01); **E06B 3/02** (2006.01); **E06B 3/46** (2006.01); **E06B 3/66** (2006.01); **E06B 3/663** (2006.01); E05F 15/14 (2006.01)

CPC (invention and additional information)
E05D 15/0626 (2013.01); **E05D 15/063** (2013.01); **E05F 15/63** (2013.01); **E06B 3/025** (2013.01); **E06B 3/4681** (2013.01); **E06B 3/6621** (2013.01); **E06B 3/66342** (2013.01); E05D 15/0652 (2013.01); E05D 15/0656 (2013.01); E05F 15/643 (2013.01); E05Y 2201/11 (2013.01); E05Y 2400/658 (2013.01); E05Y 2800/00 (2013.01); E05Y 2800/12 (2013.01); E05Y 2800/205 (2013.01); E05Y 2800/21 (2013.01); E05Y 2800/27 (2013.01); E05Y 2800/426 (2013.01); E05Y 2800/672 (2013.01); E05Y 2900/00 (2013.01); E05Y 2900/132 (2013.01); E05Y 2900/148 (2013.01)

Cited by
EP0969176A3; ES2589835A1; EP2233674A1; CN105863482A; EP1653035A3; CN105971468A; EP3002402A1; CN105672827A; EP3085871A1; FR3035427A1; DE202016000526U1; US9909348B2; WO2014107770A1; WO2016050839A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

EPO simple patent family
EP 0822310 A2 19980204; EP 0822310 A3 19990324; EP 0822310 B1 20030604; AT 242403 T 20030615; DE 19733366 A1 19980212; DE 19733367 A1 19980618; DE 19733367 B4 20061019

INPADOC legal status

2017-08-31 [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 : 20160801

2017-08-15 [REG CH PL] PATENT CEASED

2017-08-01 [REG DE R071] EXPIRY OF RIGHT
- Document : DE 59710198

2017-07-31 [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 : 20160801

2017-06-30 [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 : 20160901

2017-05-31 [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 : 20160801

2017-04-28 [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 NON-PAYMENT OF DUE FEES
- Effective date : 20160802

2017-04-26 [GBPC] GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
- Effective date : 20160801

2017-04-15 [REG AT MM01] LAPSE BECAUSE OF NOT PAYING ANNUAL FEES
- Document : AT 242403 T
- Effective date : 20160801

2017-04-05 [REG NL MM] LAPSED BECAUSE OF NON-PAYMENT OF THE ANNUAL FEE
- Effective date : 20160901

2017-03-28 [REG SE EUG] EUROPEAN PATENT HAS LAPSED

2016-12-30 [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 : 20160831

2016-10-31 [PGFP DE] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : DE
- Payment date : 20160831
- Year of fee payment : 20

2016-10-31 [PGFP CH] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : CH
- Payment date : 20160819
- Year of fee payment : 20

2015-11-30 [PGFP AT] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : AT
- Payment date : 20150820
- Year of fee payment : 19

2015-11-30 [PGFP SE] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : SE
- Payment date : 20150819
- Year of fee payment : 19

2015-11-30 [PGFP NL] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : NL
- Payment date : 20150830
- Year of fee payment : 19

2015-11-30 [PGFP BE] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : BE
- Payment date : 20150819
- Year of fee payment : 19

2015-10-30 [PGFP GB] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : GB
- Payment date : 20150819
- Year of fee payment : 19

2015-09-30 [PGFP LU] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : LU
- Payment date : 20150824
- Year of fee payment : 19

2007-10-15 [REG CH PFA] NAME/FIRM CHANGED
- Owner name : GEZE GMBH
- Free text : GEZE GMBH#REINHOLD-VOESTER-STRASSE 21-29#71229 LEONBERG (DE) -TRANSFER TO- GEZE GMBH#REINHOLD-VOESTER-STRASSE 21-29#71229 LEONBERG (DE)

2004-06-11 [EN] FR: TRANSLATION NOT FILED

2004-05-26 [26N] NO OPPOSITION FILED
- Effective date : 20040305

2004-01-28 [REG IE FD4D] EUROPEAN PATENTS DESIGNATING IRELAND TREATED AS ALWAYS HAVING BEEN VOID

2003-11-25 [LTIE] LT: INVALIDATION OF EUROPEAN PATENT OR PATENT EXTENSION
- Effective date : 20030604

2003-09-15 [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 FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
- Effective date : 20030915

2003-09-04 [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 : 20030904

2003-09-04 [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 : 20030904

2003-09-04 [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 FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
- Effective date : 20030904

2003-08-31 [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 : 20030831

2003-07-10 [REF] CORRESPONDS TO:
- Document : DE 59710198 P 20030710

2003-07-09 [REG IE FG4D] EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
- Free text : GERMAN

2003-06-25 [GBT] GB: TRANSLATION OF EP PATENT FILED (GB SECTION 77(6)(A)/1977)

2003-06-17 [REG SE TRGR] TRANSLATION OF GRANTED EP PATENT

2003-06-13 [REG CH EP] ENTRY IN THE NATIONAL PHASE

2003-06-13 [REG CH NV] NEW AGENT
- Representative's name : DR. LUSUARDI AG

2003-06-04 [AK] DESIGNATED CONTRACTING STATES:
- Designated State(s) : AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

2003-06-04 [AX] REQUEST FOR EXTENSION OF THE EUROPEAN PATENT TO:
- Countries : AL LT LV RO SI

2003-06-04 [REG GB FG4D] EUROPEAN PATENT GRANTED
- Free text : NOT ENGLISH

2003-06-04 [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 : 20030604

2003-06-04 [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 : 20030604

2003-06-04 [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 : 20030604

2003-06-04 [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 FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
- Effective date : 20030604

2003-01-02 [RTI1] TITLE (CORRECTION)
- Free text : SLIDING DOOR ASSEMBLY

2002-10-09 [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION
- Owner name : GEZE GMBH

2002-07-31 [17Q] FIRST EXAMINATION REPORT
- Effective date : 20020612

2000-04-26 [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION
- Owner name : GEZE GLAS DESIGN GMBH

2000-02-09 [RIN1] INVENTOR CHANGED BEFORE GRANT
- Inventor name : FISCHBACH, STEFAN

2000-02-09 [RIN1] INVENTOR CHANGED BEFORE GRANT
- Inventor name : GMELIN, ANDREAS

2000-02-09 [RIN1] INVENTOR CHANGED BEFORE GRANT
- Inventor name : JUENGLING, PETER

2000-02-09 [RIN1] INVENTOR CHANGED BEFORE GRANT
- Inventor name : METTENLEITER, KARL

2000-01-05 [RAP3] CORRECTION OF THE ADDRESS OR NAME OF APPLICANT
- Owner name : GEZE GMBH

1999-12-08 [AKX] PAYMENT OF DESIGNATION FEES
- Free text : AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

1999-12-08 [AXX] PAYMENT OF EXTENSION FEES
- Free text : AL PAYMENT 19970823;LT PAYMENT 19970823;LV PAYMENT 19970823;RO PAYMENT 19970823;SI PAYMENT 19970823

1999-09-15 [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION
- Owner name : GEZE GMBH

1999-08-25 [17P] REQUEST FOR EXAMINATION FILED
- Effective date : 19990626

1999-03-24 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : A3
- Designated State(s) : AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

1999-03-24 [AX] REQUEST FOR EXTENSION OF THE EUROPEAN PATENT TO:
- Free text : AL PAYMENT 970823;LT PAYMENT 970823;LV PAYMENT 970823;RO PAYMENT 970823;SI PAYMENT 970823

1998-02-04 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : A2
- Designated State(s) : AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

1998-02-04 [AX] REQUEST FOR EXTENSION OF THE EUROPEAN PATENT TO:
- Free text : AL PAYMENT 970823;LT PAYMENT 970823;LV PAYMENT 970823;RO PAYMENT 970823;SI PAYMENT 970823