

Search query (6): [SP]: holding element for use on a laminar glass plate befestigungselement fuer eine verbundglasscheibe a process for fixing a holding element to a laminar glass plate with at least one inner (12) and one outer (10) pane, comprises forming a penetration (18,20) in the two panes. the penetration in the outer pane is larger than that in the inner pane. once the panes are placed together, a holding element (16) is placed against the inner pane, and adhesive is then introduced between the holding element and the inner pane, as well as in the penetration. the adhesive is pref. pvc or pu.

Results: 8

1) Family number: 12406194 (DE19929480A1)

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Title: Multilayer material production comprises forming bores or recesses in material to be joined which fill with adhesive during processing and fix materials together

Abstract: Method for producing articles with a large surface area from bundles of similar or different materials by gluing across the whole surface comprises forming bores (5) or recesses (4) in the material to be joined (1, 2). These fill with adhesive (3) during processing and fix the materials together.

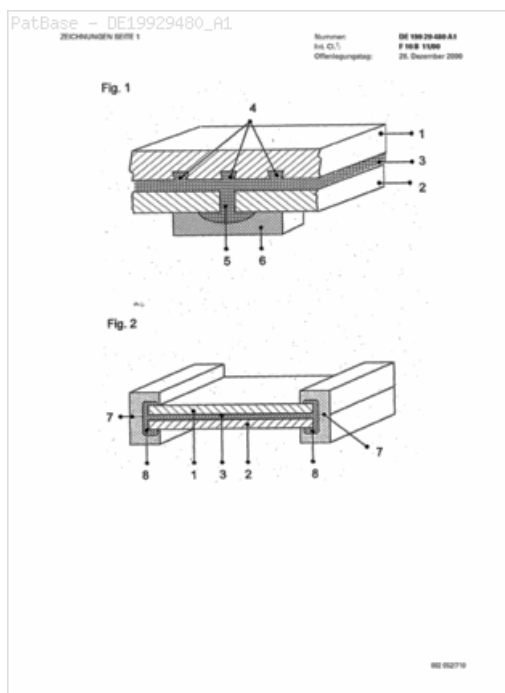
Classifications:

International (IPC 8-9): C09J5/00 F16B11/00 (Advanced/Invention); C09J5/00 F16B11/00 (Core/Invention)

International (IPC 1-7): C09J5/00 F16B11/00

CPC: C09J5/00 F16B11/006

European: C09J5/00 F16B11/00F



Family:

Publication number	Publication date	Application number	Application date
DE19929480 A1	20001228	DE19991029480	19990626

Priority:

DE19991029480 19990626

Probable Assignee: KOETTING GERHARD

Assignee(s): (std): KOETTING GERHARD

Inventor(s): (std): KOETTING GERHARD

2) Family number: 77712208 (US10562274B)

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Title: GLASS FASTENING AND SEALING SYSTEMS

Abstract: A glass fastening system includes a fastener having a first portion embedded along an interlayer within a laminated glass portion and a second portion extending outward from an exterior surface of the laminated glass portion for use in attachment to a support structure. Another glass fastening system includes a fastener having a first portion adhered to an exterior surface of a glass pane and a second portion extending from the first portion away from the exterior surface for use in attachment to a support structure. A glass sealing system includes a pair of glass panes having offset edge portions and a seal including an overmold portion capturing the edge portions. Another glass sealing system includes a seal having an internal portion embedded within a laminated glass portion and an external portion extending along an exterior surface of the laminated glass portion.

Classifications:

International (IPC 8-9): B32B17/10 B32B3/06 B32B3/24 B32B3/26 B32B3/30 B32B7/08 B32B7/12 B60J1/00 B60Q1/26

H02S40/34 (Advanced/Invention); B60J9/00 B60Q1/00 B60R11/00 E06B3/54 F16B5/06

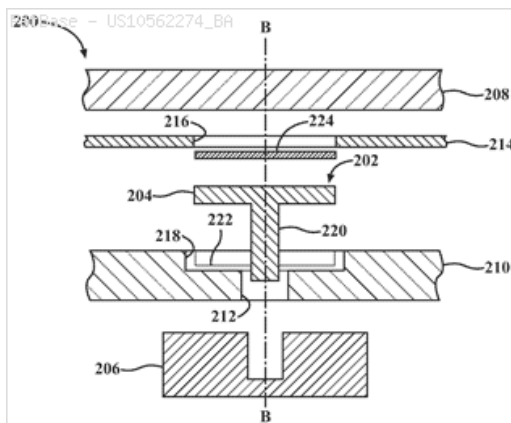
H01L31/048 (Advanced/Non-invention)

CPC: B32B17/10293 B32B3/06 B32B3/266 B32B3/30 B32B7/08 B32B7/12 B32B17/10036 B32B17/10165 B32B17/1055

B32B17/10541 B32B2250/03 B32B2250/40 B32B2307/202 B32B2307/412 B32B2315/08 B32B2457/00 B32B2457/12 B32B2605/006 B60J1/001 B60J1/006 B60J9/00 B60Q1/0023

B60Q1/2615 B60Q1/2619 B60R2011/0021 B60R2011/0022

B60R2011/0047 B60Y2400/216 E06B3/5436 F16B5/065 H01L31/0488
H02S40/34 Y02E10/47 Y02E10/50 Y10S428/90 Y10T428/24008
Y10T428/24182 Y10T428/24322 Y10T428/24331 Y10T428/24339
Y10T428/24521 Y10T428/24562 Y10T428/24612 B60Q1/0088
B60Q1/268 B60J10/70



Family:

Publication number	Publication date	Application number	Application date
US10562274 BA	20200218	US20170437996	20170221

Priority:

US20160298143P 20160222 US20170437996 20170221

Probable Assignee: APPLE INC

Assignee(s): (std): APPLE INC ; GOLKO ALBERT J ; KINGMAN DAVID E ; HOBSON PHIL M ; KAMEI IBUKI ; JONES CHRISTOPHER D ; SCOTT DEREK C ; MONROE DONALD R ; LAZARO JUAN A ; RAFF JOHN ; LYNCH STEPHEN B ; PREST CHRISTOPHER D ; MEMERING DALE N ; YURKO JAMES A

Inventor(s): (std): GOLKO ALBERT J ; HOBSON PHIL M ; KINGMAN DAVID E ; LAZARO JUAN A ; KAMEI IBUKI ; JONES CHRISTOPHER D ; SCOTT DEREK C ; MONROE DONALD R ; RAFF JOHN ; LYNCH STEPHEN B ; PREST CHRISTOPHER D ; MEMERING DALE N ; YURKO JAMES A

Agent(s): YOUNG BASILE HANLON AND MACFARLANE PC

3) Family number: 72475618 (WO18228914A1)

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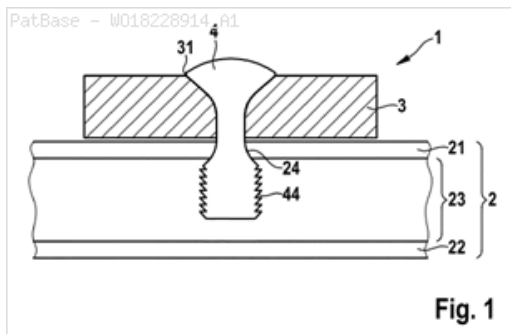
Title: METHOD FOR CONNECTING AN ATTACHMENT PART TO A SANDWICH COMPONENT, USE OF A POLYMER COMPOSITION, AND COMPOSITE COMPONENT

Abstract: The invention relates to a method for connecting an attachment part (3) to a sandwich component (2). The method comprises the following steps: providing a sandwich component (2); providing an attachment part (3) having at least one fill opening (31); joining the attachment part (3) to the sandwich component (2) such that the first fill opening (31) of the attachment part (3) and at least one opening (24) of the sandwich component (2) are arranged in a communicating manner. A polymer composition (4) is introduced into the at least one opening (24) of the sandwich component (2) via the first fill opening (31) of the attachment part (3) such that, after the polymer composition (4) has cured, the attachment part (3) and the sandwich component (2) are connected to each other by the polymer composition (4). The invention further relates to the use of a polymer composition (4) and to a composite component (1).

Classifications:

International (IPC 8-9): F16B11/00 F16B5/01 (Advanced/Invention)

CPC: F16B11/006 F16B5/01



Family:

Publication number	Publication date	Application number	Application date
CN110730873 A	20200124	CN201880038921	20180607
EP3415772 A1	20181219	EP20170175456	20170612
WO18228914 A1	20181220	WO2018EP65024	20180607

Priority:

EP20170175456 20170612 WO2018EP65024 20180607

Probable Assignee: NOLAX AG

Assignee(s): (std): NOLAX AG

Inventor(s): (std): FISCHER MARCEL ; STEINER PATRICK ; WOLF THOMAS

Agent(s): HEPP WENGER RYFFEL AG; WILMING MARTIN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SCREWED FIXING OF A RETAINING OR FIXING MEMBER TO A LAMINATED GLAZING

Abstract: A metal retaining or fixing member (6) is fixed to a laminated glazing (1) with the aid of a screwed assembly. The two glass sheets (2,3) forming the laminated glazing (1) are provided with holes (15,16) before being assembled with the thermoplastic interlayer (4), in such a way that following the manufacture of the laminated glazing, they are eccentric with respect to one another. Prior to the screwing down of the assembly, the empty space separating the parts (9,18) of said assembly located within the holes 15,16) and the walls thereof is filled with curable adhesive (20).

Classifications:

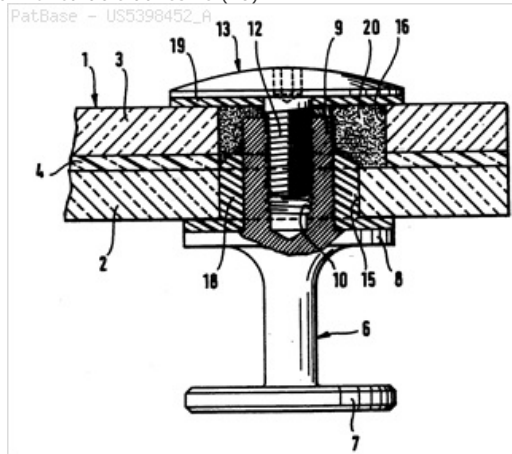
International (IPC 8-9): B32B17/10 B60J1/00 C03C27/04 E06B3/54 F16B11/00 F16B39/02 (Advanced/Invention); B32B17/06 B60J1/00 C03C27/00 E06B3/54 F16B11/00 F16B39/00 (Core/Invention)

International (IPC 1-7): B32B17/10 B60J1/00 C03C27/04 C03C27/10 E06B3/00 E06B3/54 F16B11/00 F16B39/02

CPC: B32B17/10293 C03C27/04 B32B17/10036 B32B17/10981 E06B3/5436 F16B11/006

European: B32B17/10C4 B32B17/10L22 C03C27/04 E06B3/54D F16B11/00F

US: 49/404 49/501 49/506 52/786.11 52/789

**Family:**

Publication number	Publication date	Application number	Application date
DE4311442 C1	19940707	DE19934311442	19930407
DE69400415 D1	19961002	DE19946000415	19940406
DE69400415 T2	19970227	DE19946000415T	19940406
DE69400415 T3	20030925	DE19946000415T	19940406
EP0619435 A1	19941012	EP19940400746	19940406
EP0619435 B1	19960828	EP19940400746	19940406
EP0619435 B2	20020911	EP19940400746	19940406
ES2092381 T3	19961116	ES19940400746T	19940406
ES2092381 T5	20030316	ES19940400746T	19940406
JP3464523 B2	20031110	JP19940069640	19940407
JP6323321 A2	19941125	JP19940069640	19940407
KR100287311 B1	20010416	KR19940007228	19940407
KR19940024205 A	19941118	KR19940007228	19940407
US5398452 A	19950321	US19940224533	19940407

Priority:

DE19934311442 19930407 DE19946000415 19940406

Probable Assignee: SAINT GOBAIN SA

Assignee(s): (std): SAINT GOBAIN VITRAGE ; SAINT GOBAIN VITRAGE INT ; GLASWERKE GMBH VER ; SAINT GOBAIN ; SAINT GOBAIN GLASS FRANCE ; VER GLASWERKE GMBH

Assignee(s): SAINT GOBAIN VITRAGE INT C O SAINT GOBAIN RECHERCHE ; SAINT GOBAIN BITORAAJIYU INTERNATL ; SAINT GOBAIN GLASS FRANCE S A ; SAINT GOBAIN SA ; SAINT GOBAIN VITRAGE INTERNATIONAL ; SAINT GOBAIN VITRAGE INTERNATIONAL C O SAINT GOBAIN ; SAINT GOBAIN VITRAGE INTERNATIONAL C O SAINT GOBAIN RECHERCHE ; SAINT GOBAIN VITRAGE LES MIROIRS COURBEVOIE FR ; VEGLA VER GLASWERKE GMBH 52066 AACHEN ; VEGLA VEREINIGTE GLASWERKE GMBH 52066 AACHEN

Inventor(s): (std): TRIEBS FRIEDRICH ; SCHILDE HEINZ ; KRAEMLING FRANZ ; HAINTSU SHIRUDE ; FURIIDORITSUHI TORIIBUSU ; FURANTSU KURAMURINKU ; KRAMLING FRANZ ; KRAEMLING FRANZ DR

Inventor(s): KRAEMLING FRANZ D 5100 AACHEN DE ; KRAEMLING FRANZ DR 5100 ACHEN ; SCHILDE HEINZ 5102 WUERSELEN ; SCHILDE HEINZ D 5102 WUERSELEN DE ; TRIEBS FRIEDRICH 5100 AACHEN ; TRIEBS FRIEDRICH D 5100 AACHEN DE ; TRIEBS FRIEDRICH

Designated states: BE DE ES FR GB IT LU PT SE

Title: LAMINATED VEHICLE-SIDE WINDOW WITH A LEADTHROUGH FOR FASTENING A CLAMPING ELEMENT

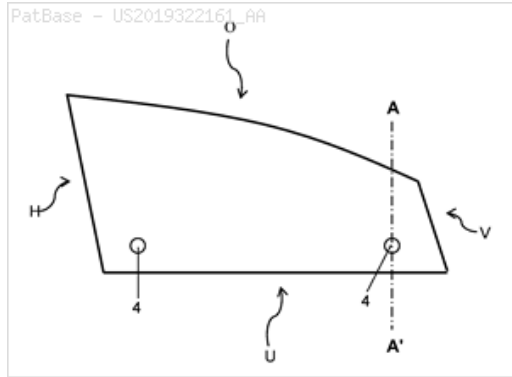
Abstract: A side window for a vehicle, with an upper edge, a lower edge, a front edge, and a rear edge, at least including a first pane and a second pane that are joined to one another via a thermoplastic intermediate layer, wherein the first pane, the second pane, and the thermoplastic intermediate layer each has a hole and wherein the holes of the first pane, of the second pane, and of the thermoplastic intermediate layer are superposed such that a leadthrough for the fastening of a clamping element extends through the entire side window, and wherein the hole of the first pane is larger than the hole of the second pane.

Classifications:

International (IPC 8-9): B32B17/10 B60J1/00 B60J1/17 C03C27/12 (Advanced/Invention)

International (IPC 1-7): B60J1/00 B60J1/17

CPC: B32B17/10036 B32B2605/006 B32B17/10293 B60J1/001 B60J1/008 B60J1/17 E05F11/385 B29L2031/7782 E05Y2900/55

**Family:**

Publication number	Publication date	Application number	Application date
AU2017368760 AA	20180607	AU20170368760	20171110
AU2017368760 AA	20190228	AU20170368760	20171110
AU2017368760 AA	20180607	AU20170368760	20171110
AU2017368760 AA	20190228	AU20170368760	20171110
AU2017368760 BB	20190919	AU20170368760	20171110
BR112019000971 A2	20190611	BR20191100971	20171110
CA3042716 AA	20190501	CA20173042716	20171110
CN108473030 A	20180831	CN201780003353	20171110
CO20190001977 A2	20190531	CO20190001977	20190228
EP3548319 A1	20191009	EP20170801640	20171110
ID201904589 A	20190628	ID2019PID04493	20171110
IN201917001874 A	20190517	IN201917001874	20190116
JP2019536680 T2	20191219	JP20190520032T	20171110
KR20190088059 A	20190725	KR20197017973	20171110
MX2019006173 A1	20190710	MX20190006173	20171110
PE20190702 A1	20190515	PE20190000752	20171110
US2019322161 AA	20191024	US20170464518	20171110
WO18099708 A1	20180607	WO2017EP78828	20171110

Priority:

EP20160201027 20161129 WO2017EP78828 20171110

Probable Assignee: SAINT GOBAIN SA**Assignee(s):** (std): SAINT GOBAIN ; SAINT GOBAIN GLASS FRANCE ; SAINT GOBAIN SA**Assignee(s):** UEBELACKER STEFAN**Inventor(s):** (std): STEFAN UEBELACKER ; UEBELACKER STEFAN**Agent(s):** GRIFFITH HACK; LAVERY DE BILLY LLP; FEIST FLORIAN ARNO; IR MIGNI MYRIASANDRA SH MIP MSEL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

6) Family number: 3857865 (EP0195712A2)

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Title: PROCESS FOR GLUEING A CAR ACCESSORY ON THE SURFACE OF A GLASS PANE.

Abstract: A support member (2) which on the side to be adhesively bonded has a frame-shaped edge region (6) in relief relative to a central region is employed. The adhesive bonding by means of the adhesive to be cured (10) takes place in the central region of the support member, whereas to keep the support member in place during the curing of the adhesive (10) a layer of contact adhesive (7) deposited onto the edge region (6) is employed. Application to the adhesive bonding of a rear-view mirror to a windscreen of a motor vehicle.

Classifications:**International (IPC 8-9):** B29C65/48 B29C65/78 B60R11/00

C03C27/04 C09J5/00 (Advanced/Invention);

B29C65/48 B29C65/78 B60R11/00 C03C27/00

C09J5/00 (Core/Invention)

International (IPC 1-7): B60J1/20 B60R1/04 B60R11/00 C03C27/00

C03C27/04 C09J5/00

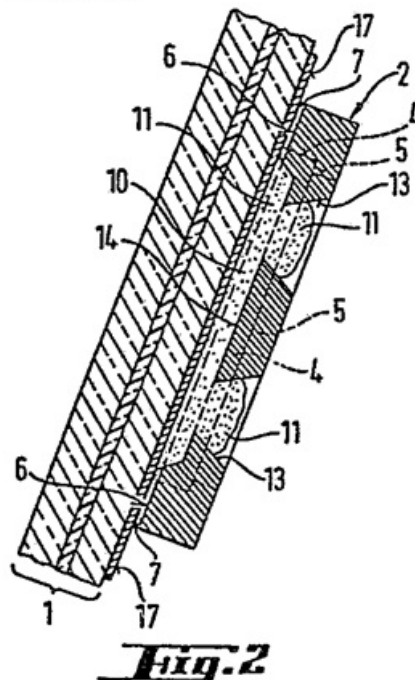
CPC: B29L2031/3052 B29C65/484 B29C66/532 B29C66/61

B29C66/7465 C03C27/048 B29C65/483 B29C65/7855 B29C66/1122

B29C66/474

European: B29C65/48 B29C65/78H B29C66/47 C03C27/04H

L29C65/48B4 L29L31/30F

**Family:**

Publication number	Publication date	Application number	Application date
DE3509531 C1	19881222	DE19853509531	19850316
DE3509531 C2	19881222	DE19853509531	19850316
EP0195712 A2	19860924	EP19860400523	19860312
EP0195712 A3	19871209	EP19860400523	19860312
JP61266337 A2	19861126	JP19860057190	19860317
KR19860007169 A	19861008	KR19860001900	19860315

Priority:

DE19853509531 19850316

Probable Assignee: GLASWERKE GMBH VER**Assignee(s):** (std): GLASWERKE GMBH VER ; SAINT GOBAIN VITRAGE ; VER GLASWERKE GMBH**Assignee(s):** VEGLA VEREINIGTE GLASWERKE GMBH 5100 AACHEN DE ; VEGLA VER GLASWERKE GMBH 5100 AACHEN DE ; SAINT GOBAIN VITRAGE INT ; VEGLA VER GLASWERKE GMBH ; SAINT GOBAIN VITRAGE INTERNATIONAL ; VEGLA VEREINIGTE GLASWERKE GMBH**Inventor(s):** (std): HAINTSU KUNERUTO ; HERUBERTO SHIYORU ; GERUTO KORUNIRUSU ; SCHOLL HERBERT M ; CORNILS GERD ; SCHOLL HERBERT ; KUNERT HEINZ DR**Inventor(s):** CORNILS GERD 5161 MERZENICH DE ; SCHOLL HERBERT 5100 AACHEN DE**Designated states:** BE DE FR GB IT SE**7) Family number: 73930919 (WO19068448A1)**

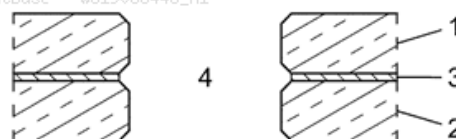
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Title: COMPOSITE GLASS PANE HAVING CHAMFERED THROUGH-HOLE

Abstract: The invention relates to a composite glass pane with at least one through-hole (4), comprising a first pane (1), a second pane (2) and at least one polymer intermediate layer (3) between the first and second pane, wherein the through-hole is formed by a hole (5) in the first pane, a hole (6) in the polymer intermediate layer (3) and a hole (7) in the second pane, characterised in that the hole (5) in the first pane (1) is a chamfered hole (5) having a respective chamfer on both sides of the first pane (1), and the hole (7) in the second pane (2) is a chamfered hole (7) having a respective chamfer on both sides of the second pane (2). All together, the chamfered holes bring about a stabilisation of the composite glass pane. In the production of the composite glass panes, the breakage percentage is significantly reduced compared to the production of composite glass panes with conventional through-holes without a chamfer.

Classifications:**International (IPC 8-9):** B32B17/10 (Advanced/Invention)**CPC:** B32B17/10036 B32B17/1022 B32B17/10293 B32B17/10761 B32B17/1077 B32B17/10779 B32B17/10788

PatBase - WO19068448_A1

**Fig. 6****Family:**

Publication number	Publication date	Application number	Application date
CN109890611 A	20190614	CN201880002230	20180917
WO19068448 A1	20190411	WO2018EP74998	20180917

Priority:

EP20170194767 20171004 WO2018EP74998 20180917

Probable Assignee: SAINT GOBAIN SA

Assignee(s): (std): SAINT GOBAIN ; SAINT GOBAIN SA

Assignee(s): SAINT GOBAIN GLASS FRANCE

Inventor(s): (std): WESSBERG HENRIK ; UEBELACKER STEFAN ; JACQUES FLORENCE ; YATIM ALEXANDRA

Agent(s): HERMANN ELLEN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

8) Family number: 22816988 (DE19710824C1) © PatBase

Title: Holding element for use on a laminar glass plate

Abstract: A process for fixing a holding element to a laminar glass plate with at least one inner (12) and one outer (10) pane, comprises forming a penetration (18,20) in the two panes. The penetration in the outer pane is larger than that in the inner pane. Once the panes are placed together, a holding element (16) is placed against the inner pane, and adhesive is then introduced between the holding element and the inner pane, as well as in the penetration. The adhesive is pref. PVC or PU.

Classifications:

International (IPC 8-9): B32B17/10 C03C27/12

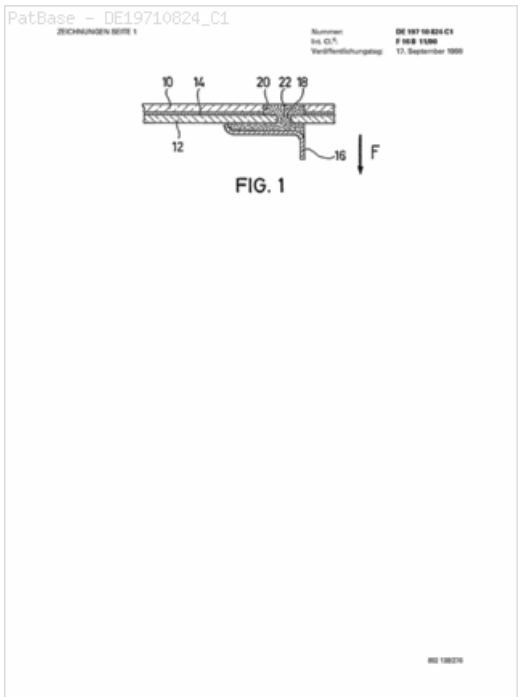
E06B3/54 (Advanced/Invention);

B32B17/06 C03C27/12 E06B3/54 (Core/Invention)

International (IPC 1-7): B60J1/00 C03C27/12 E05D5/02 E06B3/02 F16B11/00

CPC: B32B17/10036 B32B17/10293 E06B3/5436

European: B32B17/10C4 B32B17/10E16 E06B3/54D



Family:

Publication number	Publication date	Application number	Application date
DE19710824 C1	19980917	DE19971010824	19970315

Priority:

DE19971010824 19970315

Probable Assignee: WEBASTO SYSTEMKOMPONENTEN GMBH

Assignee(s): (std): WEBASTO SYSTEMKOMPONENTEN GMBH

Assignee(s): WEBASTO SYSTEMKOMPONENTEN GMBH 82131 STOCKDORF DE

Inventor(s): (std): BRANDNER HANS

Inventor(s): BRANDNER HANS 85221 DACHAU DE