

1) Family number: 31426123 (US2004261336A)

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Title: LIGHT TRANSMISSION PANELS, RETAINING CLIP AND A COMBINATION THEREOF

Abstract: A glazing panel system is provided with improved glazing panels, retention clips and/or U-shaped connectors. The retention clip may engage the glazing panels at locations lower than top ends of the upstanding seam flanges. In one embodiment, an internal U-shaped connector is positioned to engage the seam flanges while an external U-shaped connector covers the internal connector and the seam between adjacent glazing panels. The glazing panels may be formed with pockets adjacent the base of the upstanding seam flanges to receive a portion of the retention clip to apply retention forces at locations below the upper ends of the seam flanges. The retention clips may be formed with an upper transverse portion that is movable relative to the base portion of the clip to accommodate panel expansion and contraction. Also, a thicker plate or portion may be provided at a top flange for the retention clip to provide increased resistance to uplift loads trying to bend the flange.

Classifications:

International (IPC 8-9): E04B2/14 E04B7/18 E04C2/38 E04C2/54 E04C3/00 E04D1/34 E04D13/03 E04D3/02 E04D3/06 E04D3/08 E04D3/28 E04D3/361 E04D3/366 E04H9/14 E04H9/16 E06B3/54 E06B3/58 (Advanced/Invention);

E04C2/54 E04D3/361 (Advanced/Non-invention);

E04B2/14 E04B7/18 E04C2/38 E04C3/00 E04D1/34 E04D13/03 E04D3/02 E04D3/24 E04D3/36 E04H9/14 E04H9/16 E06B3/54

E06B3/58 (Core/Invention);

E04C2/54 (Core/Non-invention)

International (IPC 1-7): E04B7/18 E06B1/00

CPC: E04D3/366 E04D3/08 E04D3/28 E04D2003/0806

E04D2003/085 E04D2003/285 E04D2003/3615 E04C2/543

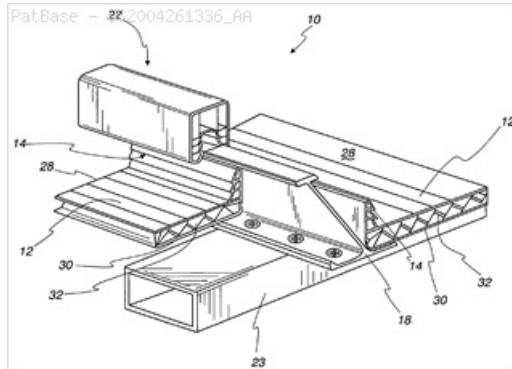
European: E04C2/54B E04D3/08 E04D3/28 E04D3/366 P04D3/08P1

P04D3/08R1A P04D3/28R P04D3/361P

US: 52/200 52/200P 52/204.63 52/204.630S 52/459 52/460 52/461

52/465 52/466 52/469 52/57 52/582.1 52/582.100P 52/852 52/466

Locarno class: 05/22

**Family:**

Publication number	Publication date	Application number	Application date
CA2530936 AA	20051228	CA20042530936	20040625
CA2530936 C	20120103	CA20042530936	20040625
DE602004049185 D1	20160609	DE200460049185T	20040625
EP1651836 A2	20060503	EP20040756201	20040625
EP1651836 A4	20111130	EP20040756201	20040625
EP1651836 B1	20160427	EP20040756201	20040625
US2004261336 AA	20041230	US20030607748	20030627
US2005120646 AA	20050609	US20040960156	20041007
US2009049770 AA	20090226	US20080259007	20081027
US2009049771 AA	20090226	US20080259034	20081027
US2011179739 AA	20110728	US20110080520	20110405
US7441379 BB	20081028	US20030607748	20030627
US7546708 BB	20090616	US20040960156	20041007
US7765760 BB	20100803	US20080259007	20081027
US7926236 BB	20110419	US20080259034	20081027
US8713880 BB	20140506	US20110080520	20110405
WO05003497 A2	20050113	WO2004US20598	20040625
WO05003497 A3	20070308	WO2004US20598	20040625

Priority:

US20030607748 20030627	EP20040756201 20040625	WO2004US20598 20040625
US20040960156 20041007	US20080259007 20081027	US20080259034 20081027
US20110080520 20110405		

Probable Assignee: CPI DAYLIGHTING INC

Assignee(s): (std): CPI INT INC ; CPI INTERNATIONAL INC ; KONSTANTIN MOSHE ; KONVIN ASSOCIATES LTD PARTNERS ; KONVIN ASSOCIATES LTD PARTNERSHIP

Assignee(s): KONVIN ASSOCIATES LTD PARTNERSHIP LAKE FOREST ; VIKON LLC ; KOVIN ASSOCIATES PARTNERSHIP LTD ; KONVIN ASSOCIATES LIMITED PARTNERSHIP ; KONVIN ASSOCIATES LTD ; KONVIN ASSOCIATES PARTNERSHIP LTD ; CPI DAYLIGHTING INC

Inventor(s): (std): KONSTANTIN MOSHE

Inventor(s): KONSTANTIN MOSHE HIGHLAND PARK

Agent(s): MACRAE AND CO; HOFFMANN EITLE; FITCH EVEN TABIN AND FLANNERY; FITCH EVEN TABIN AND FLANNERY LLP

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

2) Family number: 63675298 (WO16151603A4)

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Title: A SYSTEM AND METHOD FOR INSTALLING GLASS PANEL

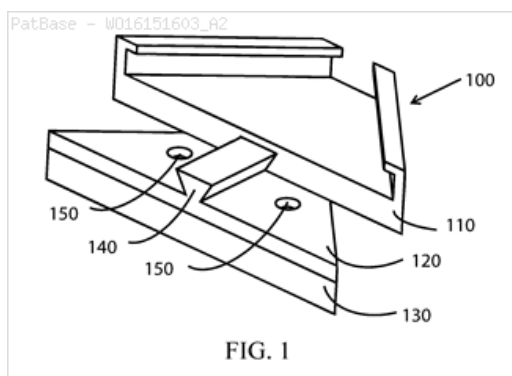
Abstract: This invention discloses a device and a system for mounting glass panel on uneven mounting surface such as concrete walls directly without use of plywood and additional frames for getting flat surface. Glass panel in particular is held mechanically by holding the glass using mounting clip and support members are provided to support mounting such glass panels on uneven mounting surface.

Classifications:

International (IPC 8-9): E06B3/54 E06B3/56

F03D (Advanced/Invention)

CPC: E06B3/5427 E06B3/5481 E06B3/56



Family:

Publication number	Publication date	Application number	Application date
BR112017020489 A2	20180717	BR20171120489	20160323
CO20170010809 A2	20180116	CO20170010809	20171024
EP3274537 A2	20180131	EP20160767888	20160323
EP3274537 A4	20190116	EP20160767888	20160323
ID201805544 A	20180525	ID2017PID07293	20160323
IN01518CH2015 A	20160930	IN2015CH01518	20150325
IN305596 B	20190118	IN2015CH01518	20150325
KR20170130419 A	20171128	KR20177026518	20160323
MX2017012203 A1	20171215	MX20170012203	20160323
PH2017501581 A	20180226	PH20170501581	20170904
WO16151603 A2	20160929	WO2016IN50095	20160323
WO16151603 A3	20161110	WO2016IN50095	20160323
WO16151603 A4	20161215	WO2016IN50095	20160323

Priority:

IN2015CH01518 20150325 WO2016IN50095 20160323

Probable Assignee: SAINT GOBAIN SA

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

Inventor(s): (std); SRINIVASAN VEERARAGHAVAN ; KOLESHWAR ATUL ; T RAJAPPA ; V PAINUMGAL UNNIKRISHNAN ; ATUL KOLESHWAR ; UNNIKRISHNAN V PAINUMGAL ; VEERARAGHAVAN SRINIVASAN ; TADEPALLI RAJAPPA ; RAJAPPA TADEPALLI

Inventor(s): RAJAPPA T

Agent(s): CAROLINA MERCEDES DAZA MONTALVO; SAINT GOBAIN RECHERCHE; MAROLITA SETIATI; KUMAR GIRIRAJ

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 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 JP KE KG KM KN KP KR 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

3) Family number: 11051800 (US5666773A)

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Title: METHOD AND APPARATUS FOR SECURING A SCREEN TO WINDOW FRAME

Abstract: The present invention provides a window screen having operators that secure the window screen relative to a window frame. A pair of single rail operators releasably secure the upper end of the screen relative to the upper end of the window frame. A pair of double rail operators releasably secure the lower end and sides of the screen relative to the lower end and sides of the window frame.

Classifications:

International (IPC 8-9): E05D15/22 E06B1/60 E06B3/22 E06B3/30

E06B3/44 E06B3/56 E06B3/68 E06B3/96 E06B3/968 E06B9/01

E06B9/52 (Advanced/Invention);

E05B65/08 E06B3/54 (Advanced/Non-invention);

E05D15/16 E06B1/56 E06B3/00 E06B3/04 E06B3/30 E06B3/32

E06B3/54 E06B3/96 E06B9/01 E06B9/52 (Core/Invention);

E05B65/08 (Core/Non-invention)

International (IPC 1-7): E05C21/02 E06B3/04

CPC: E05Y2900/136 E06B3/9628 E05B65/0876 E05D15/22

E05Y2800/672 E05Y2900/132 E06B1/6007 E06B3/22 E06B3/30

E06B3/44 E06B3/5454 E06B3/56 E06B3/685 E06B3/96 E06B3/9684

E06B9/01 E06B9/52 E06B2003/4476 E06B2003/4492 E06B2009/527

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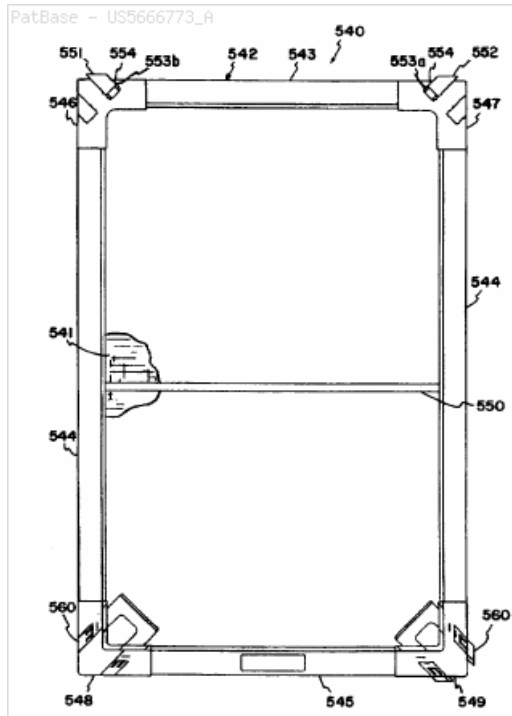
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E06B9/52 P05B65/08F4 P05Y800/672 P05Y900/132 P06B3/44H

P06B3/44S P06B3/54F P06B9/52G

US: 160/369 160/381 49/465 52/202 52/208 52/656.9



Family:

Publication number	Publication date	Application number	Application date
US5666773 A	19970916	US19940325686	19941019
US5787657 A	19980804	US19970794215	19970130

Priority:

US19940325686 19941019 US19970794215 19970130

Probable Assignee: ANDERSEN CORP

Assignee(s): (std): ANDERSEN CORP

Inventor(s): (std): BRUCHU TODD W ; JENSEN BRIAN A ; LIBRANDE CHARLES J ; LYNN JEFFREY M

4) Family number: 40967875 (US3795076A)

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Title: WINDOW STRUCTURE

Abstract: Universal window structure for use as a single-hung window, a hopper window, or a right or left-hand glider window and having a box frame and at least one movable sash is disclosed. An improved mull cover for securing a plurality of the universal window structures together, sash guide and tilt release structure for permitting tilting of the movable sash out of the plane of the window structure, and sash guide and pivot structure for the movable sash are also disclosed, together with an improved sash balance shoe, improved locking structure for the movable sash, improved glazing structure, improved weather stripping, structure for maintaining the weathertightness of the window structure during high winds, and a combination screen retainer and movable sash seal. The window structure of the invention may be installed from the inside of a window opening by means of unique installation clips and can be installed from the exterior of a window opening in conjunction with a unique installation bracket. Trim extensions are also provided with the window structure for finishing a window opening in which the window structure is installed. The window structure of the invention has provision for weepage installed as a single-hung hopper or as a right or left-hand glider window. The movable sash of the window structure of the invention is separated from the frame thereof and guiding and spacing means to eliminate metal-to-metal engagement between the movable sash and the window frame are provided whereby the window structure is particularly quiet in operation.

Classifications:

International (IPC 8-9): E06B1/34 E06B1/60 E06B3/50

E06B7/23 (Advanced/Invention);

E06B1/04 E06B1/56 E06B3/32 E06B7/22 (Core/Invention)

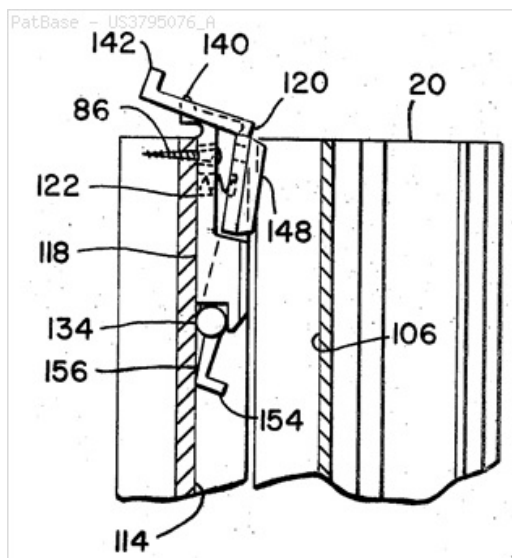
International (IPC 1-7): E05D15/52

CPC: E06B1/342 E06B1/6053 E06B3/50 E06B7/2312 E06B7/2314

European: E06B1/34B E06B1/60C1 E06B3/50 E06B7/23B2

E06B7/23C

US: 49/192 49/449 49/501 49/504 52/775 52/781



Family:

Publication number	Publication date	Application number	Application date
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Priority:

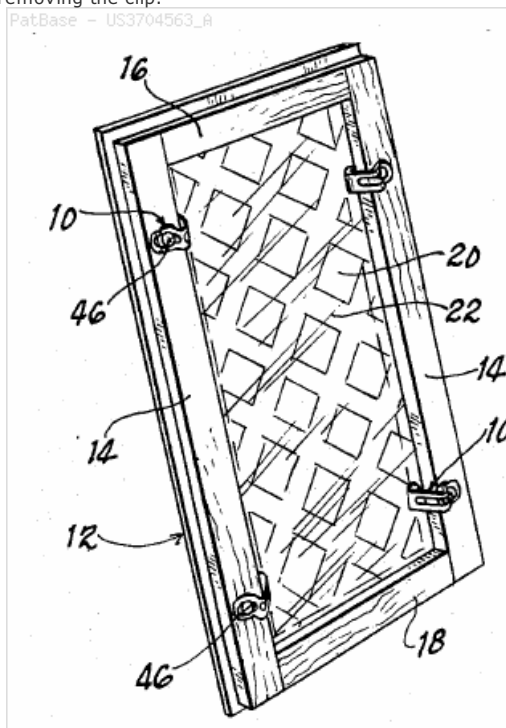
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Probable Assignee: ALCAN ALUMINUM CORP**Assignee(s):** (std): ANDERSON V MFG CO**Assignee(s):** ANDERSON V MFG CO US ; ALCAN ALUMINUM CORP**Inventor(s):** (std): ANDERSON R**Inventor(s):** ANDERSON R US**5) Family number: 1030649 (US3704563A)**

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Title: RETAINING CLIP ASSEMBLY

Abstract: A means for releasibly attaching an article such as a decorative panel to a supporting surface such as a cabinet door. The means comprises a generally V-shaped clip having one end for engaging the article and the other end engaging the body on which the article is to be retained. The clip comprises one end defining an elongated opening, and a stud having an enlarged head is adapted to be received in an enlarged portion of the elongated opening with the shank of the stud then being retained by sliding this clip portion relative to the stud whereby a narrower portion of the elongated opening is positioned around the stud. The same end of the clip defines a ledge engaging portion which engages a ledge positioned adjacent the stud whereby the clip will be retained in position when the shank is received by the elongated opening and when the ledge engaging means engages the surrounding ledge. The clip is located in place by sliding the end defining the opening relative to the associated stud. Reverse sliding action is required for removing the clip.

Classifications:**International (IPC 8-9):** E06B3/54 (Advanced/Invention); E06B3/54 (Core/Invention)**International (IPC 1-7):** E06B3/54 E06B3/58 F16B21/20**CPC:** E06B3/5481 Y10T24/3449**European:** E06B3/54G**US:** 160/369 24/343 248/504 248/507 411/525 49/463 52/455 52/773 D25/48.8 D25/53**Family:**

Publication number	Publication date	Application number	Application date
US3704563 A	19721205	US19710105269	19710111

Priority:

US19710105269 19710111

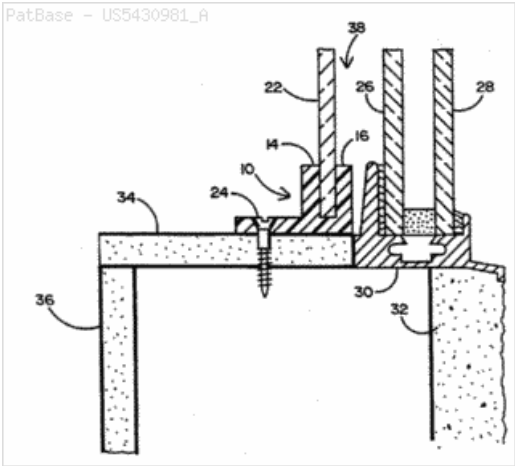
Probable Assignee: BULL DOG LOCK CO**Assignee(s):** (std): BULL DOG LOCK CO**Inventor(s):** (std): WALLER ARTHUR**Inventor(s):** ARTHUR WALLER**6) Family number: 12027889 (US5430981A)**

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Title: Device for installing decorative panels in front of existing window panes

Abstract: A channel clip which is configured to hold glass or plastic decorative panels in front of single or dual pane windows without affecting the existing window glass and while permitting a spaced and secure relationship between the decorative panel and the inner-most window pane in the proximity of which the decorative panel is installed. In a preferred embodiment herein, the channel clip of the present invention is a transparent, injection-molded polycarbonate device having three integrated structural members including a base member and a pair of panel retaining members. The retaining members are positioned preferably in perpendicular relationship to the base member and in spaced apart parallel relation to one another. A gap formed therebetween is adapted to receive the designer panel. The base member preferably is provided with a countersunk or tapered aperture which is designed to accommodate a wood screw to secure the channel clip into the underlying surface adjacent the window pane.

Classifications:
International (IPC 8-9): B44C5/08 B44F1/06 E06B3/28 (Advanced/Invention)
International (IPC 1-7): E04B1/38 E06B3/00
CPC: B44C5/08 B44F1/063 E06B3/28
European: B44C5/08 B44F1/06B E06B3/28
US: 52/202 52/203 52/213 52/314 52/708



Family:

Publication number	Publication date	Application number	Application date
US5430981 A	19950711	US19940197238	19940216

Priority:

US19920833103 19920210 US19930092506 19930715 US19940197238 19940216

Probable Assignee: SCOTT JOHN T

Assignee(s): SCOTT JOHN T

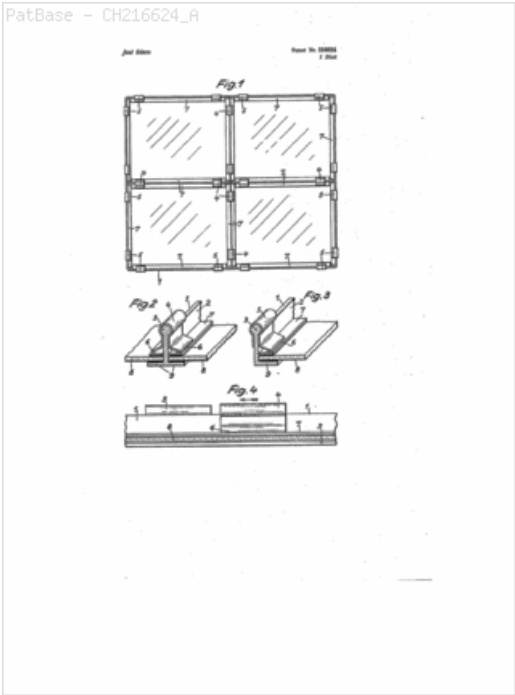
Inventor(s): (std): SCOTT JOHN T

7) Family number: 26024778 (CH216624A) © PatBase

Title: METALLFENSTER. METAL WINDOW. (Machine translation)

Abstract: Source: CH216624A [DE] PATENTANSPRUCH: Metallfenster mit kittloser Verglasung, bei welchem die Glasscheiben in einem aus Profilschienen bestehenden Rahmen gesichert sind, dadurch gekennzeichnet, dass an dem oberen Rand der Stege der Profilschienen Fuehrungsstuecke angeordnet sind, auf denen Buegel loesbar aufgetrieben sind, deren federnde Schenkel die Glasscheibe unter stetem Druck gegen die mit Dichtungsmittel belegten Flanschen der Profilschienen anpressen. UNTERANSPRUCH: Metallfenster nach Patentanspruch, dadurch gekennzeichnet, dass zwischen den Buegelschenkeln und der Glasscheibe mit Dichtungsmaterial belegte Pressschienen vor gesehen sind. **Machine translation:** PATENT CLAIM: metal window kittloser glazing in which the glass sheets are secured in one consisting of profile rails frame, characterized in that Fuehrungsstuecke are arranged on the upper edge of the webs of the profiled rails on which brackets are distended releasably whose Fe-promoting leg the glass sheet below steady pressure against the occupying th with sealant flanges of the rails press it. BELOW RIGHT: metal window according to claim, characterized in that are seen between the Buegelschenkeln and the glass panel with gasket material occupied pressed of before.

Classifications:
International (IPC 8-9): E06B3/54 (Advanced/Invention); E06B3/54 (Core/Invention)
International (IPC 1-7): E06B3/60
CPC: E06B3/5481
European: E06B3/54G



Family:

Publication number	Publication date	Application number	Application date
CH216624 A	19410915		19410221

Priority:

19410221

Probable Assignee: SUEESS JOST

Assignee(s): (std):SUEESS JOST

Inventor(s): (std):JOST SUEESS

Inventor(s):SUEESS JOST

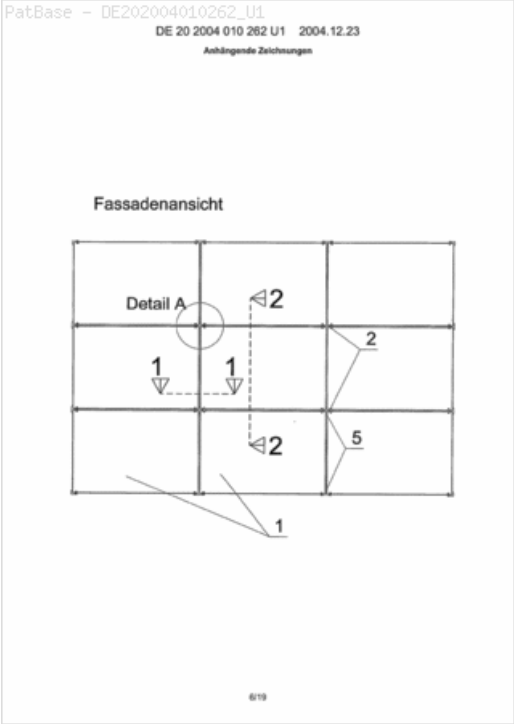
8) Family number: 31415418 (DE202004010262U1)

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Title: BRACKET MOUNTED AND VENTILATED GLASS FACADE HAS TENSIONING SUPPORT PROFILES OF ALUMINUM FASTENED TO STRUCTURE BY U-PROFILES AS BRACKETS, AND HAS RETAINING RAILS TO ACCOMMODATE LINED RETAINING CLAMPS FOR GLASS PANELS

Abstract: The bracket mounted and ventilated glass facade has tensioning support profiles of aluminum which are fastened to the structure by U-profiles as brackets (5). Retaining rails are provided to accommodate lined retaining clamps by which glass panels of toughened safety glass (1) are anchored by the using of filling pieces to counteract horizontal displacement. In addition, the horizontal and vertical gaps (2) can be closed by Z and U profiles for overlapping of the horizontal spaces of the support profiles, and by the use of filler strips fitted either on Z or U profiles or on the support profiles.

Classifications:
International (IPC 8-9): E04F13/08 E06B3/54 (Advanced/Invention); E04F13/08 E06B3/54 (Core/Invention)
International (IPC 1-7): E04B2/96
CPC: E04F13/0821 E04F13/0889 E06B3/5427 E06B3/5481
European: E04F13/08B2C8 E04F13/08R E06B3/54C P06B3/54G



Family:

Publication number	Publication date	Application number	Application date
DE202004010262 U1	20041118	DE200420010262U	20040701

Priority:
DE200420010262U 20040701

Probable Assignee: ATL FASSADENTECHNIK GMBH
Assignee(s): (std): ATL FASSADENTECHNIK GMBH