

Diego Gonzalez

1) Family number: 67660377 (WO17201587A1)

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Title: CURTAIN WALL

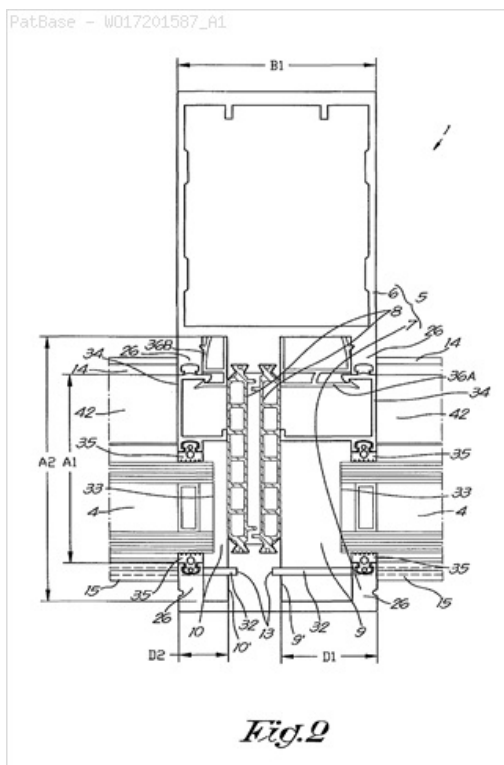
Abstract: Curtain wall (1) comprising mullion profiles (5), transom profiles (14) and panels (4), wherein the mullion profiles (5) extend vertically, with the transom profiles (14) being fixed at right angles to the mullion profiles (5), wherein the transom profiles (14) and the profile profiles (5) define rectangular openings, wherein the panels (4) are placed in said openings to close these openings, characterized in that the (panels (4) are secured by means of first glazing beads (34), that are attached to a said mullion profile (5) by means of first attachment aids (36), wherein the first attachment aids (36) and said mullion profiles (5) are designed to attach the first attachment aids (36) to a said mullion profile (5), wherein the first attachment aids (36) and the first glazing beads (34) are designed to snap the first glazing beads (34) onto the first attachment aids (36).

Classifications:

International (IPC 8-9): E04B2/96 (Advanced/Invention)

International (IPC 1-7): E04B2/96

CPC: E04B2/96



Family:

Publication number	Publication date	Application number	Application date
AU2017268718 AA	20181213	AU20170268718	20170502
BE1024293 AB	20180116	BE20160005379	20160524
BE1024293 BB	20180123	BE20160005379	20160524
BR112018074048 A2	20190226	BR20181174048	20170502
CA3025025 AA	20181121	CA20173025025	20170502
CL2018003328 A1	20190517	CL20180003328	20181122
CN109477335 A	20190315	CN201780031523	20170502
CO20180013839 A2	20190308	CO20180013839	20181219
EA201892720 A1	20190628	EA20180092720	20170502
EP3464746 A1	20190410	EP20170739180	20170502
IN201837044300 A	20181214	IN201837044300	20181124
JP2019516892 T2	20190620	JP20190514150T	20170502
SG11201810212V A1	20181228	SG20181110212	20170502
WO17201587 A1	20171130	WO2017BE00025	20170502

Priority:

BE20160005379 20160524 WO2017BE00025 20170502

Probable Assignee: CLAEYS NAUSIKAAE ELS P

Assignee(s): (std): CLAEYS LAURENS LEONARD J ; CLAEYS NAUSIKAA ELS P ; CLAEYS NAUSIKAAE ELS P ; CLAEYS STEPHANIE CATHARINA R

Assignee(s): STEPHANIE CATHARINA R CLAEYS ; LAURENS LEONARD J CLAEYS ; NAUSIKAAE ELS P CLAEYS ; CLAEYS ERIC

Inventor(s): (std): CLAEYS ERIC

Inventor(s): ERIC CLAEYS

Agent(s): DAVIES COLLISON CAVE PTY LTD; ROBIC; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; SCHACHT BENNY MARCEL CORNEEL; FURUYA FUMIO; DONNE E 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 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

2) Family number: 60542137 (US2015284951A)

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Title: CURTAIN WALL MULLIONS, TRANSOMS AND SYSTEMS

Abstract: A curtain wall mullion or transom including a component made of a thermally insulating material bonded to a metal structural segment such that a stem of the component extends into a pocket defined by panels of a curtain wall system. The component may be a reinforced fiberglass polymer component and bonded to the metal segment with an adhesive and may isolate the metal structure from the atmosphere outside the curtain wall and may include a seal receiver which abuts a panel of the curtain wall. The metal segment may be made of steel or aluminum or other metal. A pultrusion method is used to make the fiberglass component to have a profile configured to cover an entirety of an outside of the mullion or transom and to have a pair of receivers for receiving seals to abut against panels of the curtain wall.

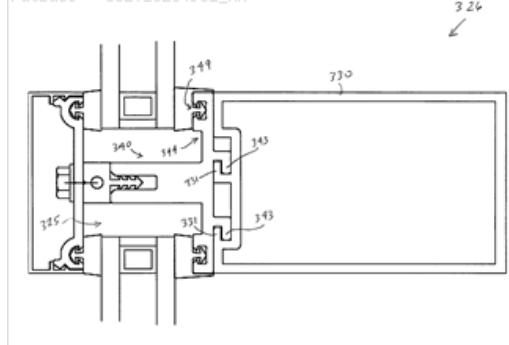
Classifications:

International (IPC 8-9): E04B2/88 E04B2/90 E04B2/96 E06B3/263 E06B3/54 (Advanced/Invention); E06B3/54 E06B7/14 (Advanced/Non-invention)

CPC: E04B2/965 E04B2/967 E06B3/26343 E06B2007/145 E04B2/90 E06B3/5427

US: 1/1 52/235

PatBase - US2015284951_AA



Family:

Publication number	Publication date	Application number	Application date
CA2950781 AA	20161207	CA20162950781	20161104
CA2950781 C	20170704	CA20162950781	20161104
CA2951502 AA	20161207	CA20152951502	20150625
CA2951502 C	20181204	CA20152951502	20150625
EP3314065 A1	20180502	EP20150812070	20150625
EP3314065 A4	20190220	EP20150812070	20150625
EP3371387 A1	20180912	EP20160863054	20161104
EP3371387 A4	20190626	EP20160863054	20161104
US2015284951 AA	20151008	US20140314636	20140625
US2016053487 AA	20160225	US20150932631	20151104
US2017298621 AA	20171019	US20170487624	20170414
US2019194939 AA	20190627	US20180182871	20181107
US9212482 BB	20151215	US20140314636	20140625
US9663946 BB	20170530	US20150932631	20151104
WO15200614 A1	20151230	WO2015US37659	20150625
WO17079578 A1	20170511	WO2016US60560	20161104
WO18191397 A1	20181018	WO2018US27139	20180411

Priority:

US20140943786P	20140224	US20140314636	20140625	WO2015US37659	20150625
US20150932631	20151104	WO2016US60560	20161104	US20170487624	20170414
US20180182871	20181107				

Probable Assignee: FREMARQ INNOVATIONS INC

Assignee(s): (std): FREDERICK TODD ; FREMARQ INNOVATIONS INC ; STEELGLAZE INC

Inventor(s): (std): FREDERICK TODD

Agent(s): PNC IP GROUP PROFESSIONAL CORP; BAILEY RICHARD ALAN; ANTHONY J; BOURGET ANTHONY J

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

3) Family number: 2028591 (EP0050838A1)

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Title: CURTAIN WALL.

Abstract: In a curtain wall with a supporting skeleton of continuous posts and of transoms connected at right angles to these via coupling pieces, and with plate-shaped facade elements (4) inserted into the skeleton spaces and retained in a clamping manner in these, each post and transom having a section aluminium bar (5, 6; 7, 8) facing the room and facing the outside which, separated from one another by an insulating web (9; 10), are each equipped with a bearing rebate (5a, 6a; 7a, 8a) for the clamped edge of the associated facade element (4), the screwless connection between the post and transom is obtained by the following features: a) the section aluminium bar (7, 8) of the transom facing the room and facing the outside and the section aluminium bar (6) of the post facing the outside are of approximately T-shaped cross-section, the T bar forming two of the said bearing rebates (6a; 7a, 8a) whilst the insulating web (9; 10) is fastened in the T foot; b) the section aluminium bars (8) of the transom facing the outside are made in two parts, the two sectional parts (8b, 8c) being connected positively (11) to one another, and the parting plane being in the T foot; c) a horizontal bearing surface (2a) of a tile (2)

serves as a support for the two ends of the mutually aligned transoms to be connected to the post; d) the tile (2) engages in at least one cutout (14, 15) in the post for its vertical fixing.

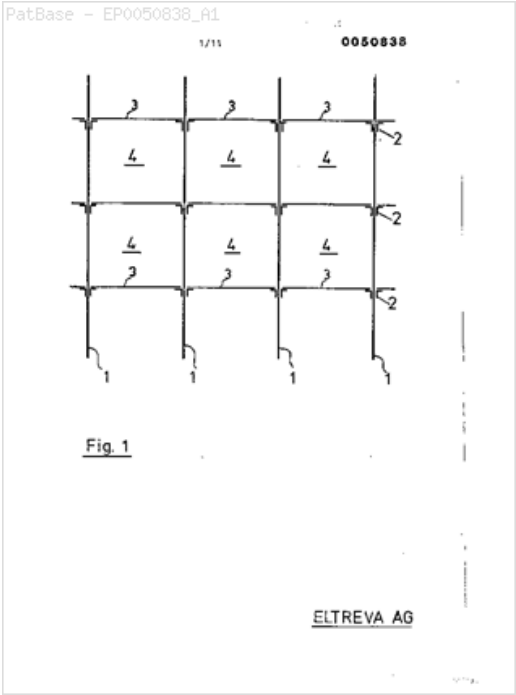
Classifications:

International (IPC 8-9): E04B2/96 (Advanced/Invention);
E04B2/88 (Core/Invention)

International (IPC 1-7): E04B2/88

CPC: E06B2007/145 E04B2/965 E06B7/14

European: E04B2/96C



Family:

Publication number	Publication date	Application number	Application date
DE3040642 A1	19820513	DE19803040642	19801029
DE3040642 C2	19841108	DE19803040642	19801029
EP0050838 A1	19820505	EP19810108688	19811022

Priority:

DE19803040642 19801029

Probable Assignee: ELTREVA AG
Assignee(s): (std): ELTREVA AG
Assignee(s): ELTREVA AG AESCH CH ; ELTREVA AESCH CH AG
Inventor(s): (std): NICHTNENNUNG ANTRAG AUF ; SCHMIDLIN HANS
Inventor(s): VERZICHT DES ERFINDERS AUF NENNUNG
Designated states: AT CH GB LI NL

4) Family number: 13665009 (JP2000045439A) © PatBase

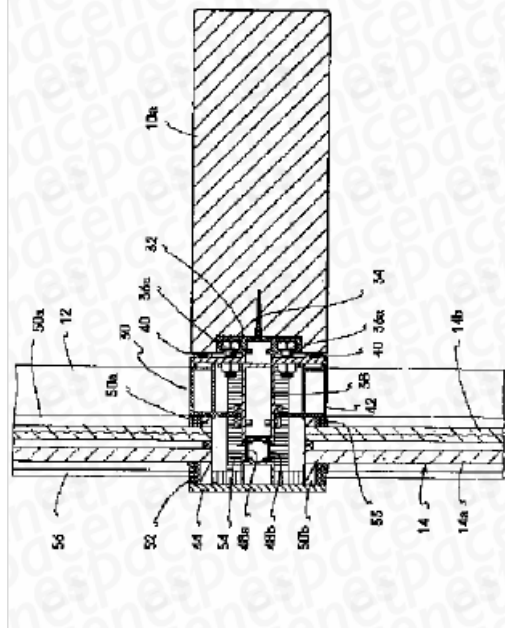
Title: CURTAIN WALL

Abstract: PROBLEM TO BE SOLVED: To provide a curtain wall which eliminates heat extension/contraction difference and dew condensation between a mullion and a metal fitting tool made of aluminium for fitting a panel board, even if the used mullion is a heat insulating mullion formed of wood and/or resin with the heat conductivity lower than the metal. SOLUTION: This is a curtain wall formed by attaching a panel board such as a decorated board or a glass board in a frame formed of a mullion as a muntin and a transom as a horizontal muntin. In this case, a mullion to which a metal fitting tool 30 composed of aluminium, etc., for fitting the panel board is attached is a wooden mullion 10a, and an extension/contraction difference absorbing part which absorbs the heat extension/contraction difference between the wooden mullion 10a and the metal fitting tool 30, and a heat insulating part connecting the aluminium member 38 constituting the metal fitting tool 30 and an external batten member 44 are formed inside the metal fitting tool 30.

Classifications:

International (IPC 8-9): E04B2/96 E06B3/54 (Advanced/Invention);
E04B2/88 E06B3/54 (Core/Invention)

International (IPC 1-7): E04B2/96 E06B3/54

**Family:**

Publication number	Publication date	Application number	Application date
JP2000045439 A2	20000215	JP19990235197	19990823

Priority:

JP19970340097 19950614 JP19990235197 19990823

Probable Assignee: NIYUUSUTO KK

Assignee(s): (std): NIYUUSUTO KK

Inventor(s): (std): CHIKARA YOSHIKI

5) Family number: 47480292 (GB2482902A)

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Title: A Curtain Wall System For Attaching A Variety Of Panels

Abstract: The system comprises a plurality of mullion posts 1 of box section profile and having a first mounting system 5 and a second mounting system 6 which is stepped back from the first mounting system. The mullion post can be extruded aluminium and may comprise a rear mounting section 10 for mounting to a structural support and a front section 11 to which cladding elements may be mounted. The first and second mounting systems may comprise a gasket receiver 2, 25 and a clip receiver 21, 26 respectively. The same mullion post can accommodate a wide range of different panels such as glazing, louvers, or stone/brick/tile facings. The mullion posts can be cut-back to expose the second mounting system 6. The posts 1 are used with adapters 31, 32, 33, 34 for mounting different claddings 40, 41, 45, 46.

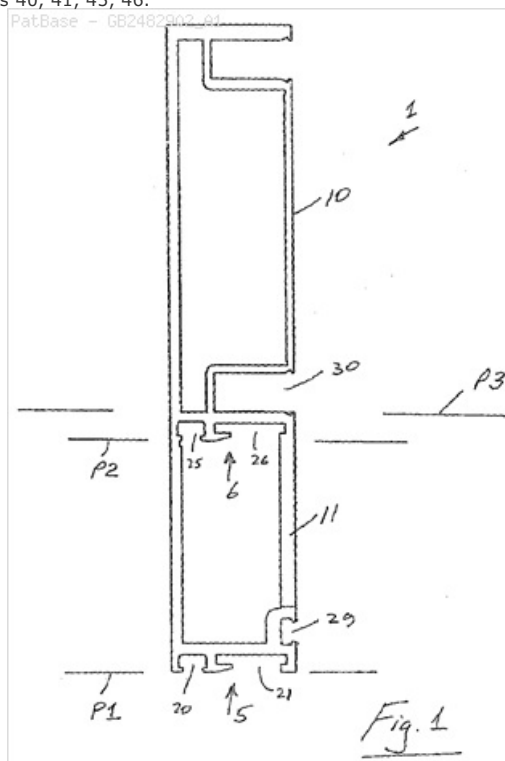
Classifications:

International (IPC 8-9): E04B2/96 (Advanced/Invention)

CPC: E04B2/90 E04B2/967

European: E04B2/90

PatBase - GB2482902_A1



Family:

Publication number	Publication date	Application number	Application date
GB201013889 A0	20101006	GB20100013889	20100819
GB2482902 A1	20120222	GB20100013889	20100819
GB2482902 B2	20160203	GB20100013889	20100819

Priority:

GB20100013889 20100819

Probable Assignee: DON REYNOLDS LTD
Assignee(s): (std): DON REYNOLDS LTD
Assignee(s): DON REYNOLDS LIMITED
Inventor(s): (std): KEMPF JULIEN ; WOELFERT DIETMAR
Inventor(s): DIETMAR WOELFERT ; JULIEN KEMPF

6) Family number: 30967097 (GB826517A)

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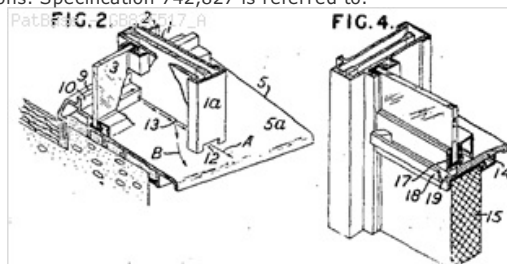
Title: IMPROVEMENTS IN OR RELATING TO CURTAIN WALLING

Abstract: 826,517. Curtain walls; glazing. QUICKTHO (1928) Ltd. March 13, 1958 [April 23, 1957], No. 12949/57. Classes 20(3) and 20(4). In curtain walling of the kind comprising spaced, vertical mullions interconnected by spaced, horizontal transoms, and wall panels or windows filling the spaces between the mullions and transoms, means are provided for conducting moisture collected on the inner side of the panels and c. to the interiors of the mullions, the latter discharging the moisture to the outer side of the walling. As shown, the aluminium alloy mullions 1 of doublechannel cross-section have lateral flanges 2 against which are positioned the panels 3 and are seated on a light-alloy sill 5 of inverted channel-section having an upstanding rib 9 forming with the panels 3 a moisture-collecting channel 10. In alignment with the latter, and in the side walls of the mullions, are openings for drainage of moisture from the channels- Outer cover plates 1a provided on the mullions have openings 12 through which moisture flows as indicated by the arrow A. The side walls of the mullions terminate in horizontal lower edges and define with the sloping sill portion 5a wedgeshaped openings 13 through which water in the mullions drains as indicated by the arrow B. The transom member 14, Fig. 4, is supported on a wall or panel 15 and is formed with a flange 18, which together with a web 17, defines a collecting channel 19 communicating with the interiors of the mullions by way of aligned openings in the side walls of the mullions. Specification 742,827 is referred to.

Classifications:**International (IPC 8-9):** E04B2/88 E04B2/96

H01L25/07 (Advanced/Invention);

E04B2/88 H01L25/07 (Core/Invention)

International (IPC 1-7): E04B2/88 E06B1/70 E06B7/14 H01L23/48**CPC:** H01L2924/0002 E04B2/96 E04B2/88 H01L25/073**European:** E04B2/88 E04B2/96 H01L25/07R**Family:**

Publication number	Publication date	Application number	Application date
BE567016 A	00000000		00000000
FR1194818 A	19591112		19580417
FR926533 A	19471003		00000000
GB826517 A	19600113	GB19570012949	19570423
LU35999 A	00000000		00000000

Priority:

GB19570012949 19570423

Probable Assignee: QUICKTHO 1928 LTD
Assignee(s): (std): INT STANDARD ELECTRIC CORP ; QUICKTHO 1928 LTD
Inventor(s): (std): RICHARDS EDWARD ARTHUR ; NASMYTH ALFRED JAMES

7) Family number: 20806532 (GB882800A)

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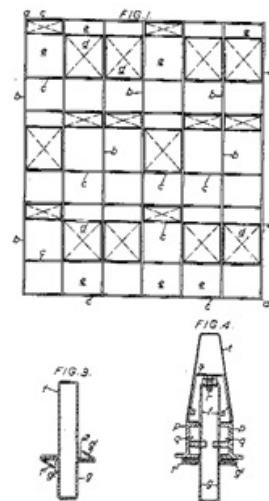
Title: Improvements in or relating to building construction

Abstract: 882,800. Curtain walls, window frames. KALEYARDS Ltd., W. G. July 13, 1959 [July 1, 1958], No. 20964/58. Classes 20(3) and 20(4) Mullions and transoms for curtain walling are constructed from bars each formed from two flanged channel-section components f, g of sheet metal attached to one another by said flanges, each component having one flange curled over and clamped by rolling or pressing around the adjacent flange of the co-operating component, so as to form a hollow bar provided with a longitudinal flange at each side. The bars are connected end-to-end as required by plugs of appropriate cross section inserted in their adjacent ends. Similar plugs, provided with brackets, are inserted on the tops and bottoms of the mullions to provide means for firing the walling within a wall opening of the building. The ends of bars constituting transoms are provided with plug inserts and are slotted so as to slidably engage with the longitudinal flanges of the mullions where they are located by pins inserted through their plugged ends and through the flanges of the mullions. Trim plates t may be clipped over metal fingers s attached to the front faces of the mullions. Glazing bars p may be provided, with wooden or other sealing strips inserted in the spaces q.

Classifications:**International (IPC 8-9):** E04B2/96 (Advanced/Invention);

E04B2/88 (Core/Invention)

International (IPC 1-7): E04B2/88**CPC:** E04B2/96**European:** E04B2/96

**Family:**

Publication number	Publication date	Application number	Application date
GB882800 A	19611122	GB19580020964	19580701

Priority:

GB19580020964 19580701

Probable Assignee:

W G KALEYARDS LTD

Assignee(s): (std):

W G KALEYARDS LTD

Assignee(s):

W G KALEYARDS LIMITED

Inventor(s): (std):

HAWLEY JAMES EDWARD

8) Family number: 53979049 (DE202012012639U1)

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Title: SYSTEM AUS ELEMENTEN ZUR SANIERUNG VON GEBAEUDEFASSADEN IN PFOSTEN-RIEGELBAUWEISE

Abstract: Source: DE202012012639U1 [DE] System aus Elementen zur Sanierung von Gebaeudefassaden in Pfosten-Riegelbauweise umfassend Pfosten- und Riegelemente, Daemmmaterialien und Fassadenfuellelemente, dadurch gekennzeichnet, dass das System auch Adapterprofile (21) und Dichtungen (23, 32) umfasst, wobei bereits zuvor schon fuer eine Fassade genutzte Pfosten- und Riegelprofile (1, 13) mit den Adapterprofilen (21) fest oder loesbar verbunden werden, wobei die Adapterprofile (21) auf der dem Gebaeude (2) abgewandten Seite Adapterverbindungselemente (22) aufweisen, an die standardisierte Dichtungen (23, 32) angebracht werden koennen, und die Adapterprofile (21) auf ihrer dem Gebaeude (2) zugewandten Seite an die aeussere Form des vorhandenen Pfosten-Riegelsystems angepasst sind.

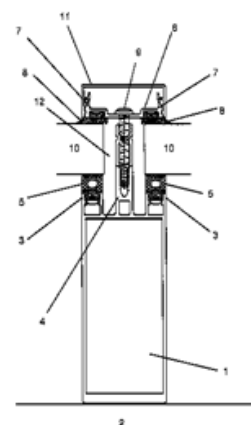
Classifications:**International (IPC 8-9):** E04B2/96 E04G23/02 (Advanced/Invention)**CPC:** E04B2/965

PatBase - DE202012012639_U1

DE 20 2012 012 639 U1 2013.10.24

Anliegende Zeichnungen

Fig. 1:



Family:

Publication number	Publication date	Application number	Application date
DE102012007088 A1	20130606	DE201210007088	20120411
DE202012012639 U1	20131024	DE201220012639U	20120411

Priority:

DE201110119836 20111201 DE201210007088 20120411 DE201220012639U 20120411

Probable Assignee: KRUEGER JENS

Assignee(s): (std): KRUEGER JENS

Assignee(s): KRUEGER

Inventor(s): (std): KRUEGER JENS

9) Family number: 23095967 (FR1313393A)

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Title: ELEMENTS DE CLOISONS ET MURS RIDEAUX ET MURS RIDEAUX ET CLOISONS OBTENUS A L'AIDE DES DITS ELEMENTS
ELEMENTS OF WALLS AND CURTAIN WALLS AND CURTAIN WALLS AND PARTITIONS OBTAINED AIDED BY THE SAID ELEMENTS
ELEMENTS (Machine translation)

Abstract: Source: FR1313393A [FR] 1. Systeme de cloisons et murs rideaux' avec armature composee de montants et de traverses en aluminium ou autres materiaux permettant le placement immediat, avec baguette de serrage et joints d'etancheite ou de remplissage, d'un panneau prefabrique constitue d'une double paroi avec ame acoustique ou non, et la construction aisee de cloisons simples ou doubles avec matelas d'air ou interposition d'un materiau isolant, dont les armatures et montants sont constituees par un seul et meme profile principal dont la section a de preference la forme d'un caisson ferme de contour general parallelepipede creux. Un element de pression est prevu pour bloquer la cloison entre sol et plafond ou entre deux murs opposes comportant les elements suivants pris isolement ou en combinaison: a. Profile dont les deux cotes opposes du caisson parallele au plan de la cloison, sont, sur leur largeur entre batee, d'epaisseur plus forte que les cotes perpendiculaires a la cloison; b. Profile dont les cotes perpendiculaires a la cloison sont munis a cote de chaque batee d'une rainure de forme appropriee et parallele a la cloison dans laquelle s'engage une baguette de serrage de section rectangulaire; c. Profile dont les quatres angles saillants du contour general parallelepipede creux, sont remplaces par des angles rentrants faisant corniere et formant batee, dans lesquelles batees peuvent se loger le ou les panneaux avec interposition de joints d'etancheite ou de remplissage generalement elastiques et par le fait que les contours lateraux exterieurs des saillies sont en forme de queue d'aronde. d. Profile dont la hauteur, perpendiculairement en plan de la cloison est reduite de moitie par rapport au profile principal utilise pour une armature donnee et par le fait que la face opposee a la face exterieure affleurant la cloison est formee par une paroi presentant une rainure et une saillie en forme de queue d'aronde, disposees en quinconce, chaque queue d'aronde en saillie d'un element pouvant se glisser dans la rainure en queue d'aronde d'un autre, permettant ainsi des assemblages divers et notamment des assemblages avec parois de profiles perpendiculaires a la cloison dans un meme plan ou dans un plan different en fonction des besoins de leur utilisation; e. Profil dont les angles saillants du contour general parallelepipede creux sont simplement arrondis; f. Element destine a etre fixe par tous moyens connus sur le flan du profile decrit ci-dessus afin d'obtenir deux butees egales ou non. ayant la forme d'un E a branches courtes, la branche centrale ayant deux fois l'epaisseur des branches laterales; g. Element sabot, pourvu d'une rainure, en forme de queue d'aronde s'adaptant a la saillie en queue d'aronde des profiles selon l'invention et pouvant y etre glisse afin de permettre le placement aise d'une plinthe; h. Profile formant chambranle destine a la pose de portes ou de chassis quelconques, muni de demi saillies laterales s'emboitant dans les gorges des profiles selon l'invention ou elles sont maintenues par tous moyens de fixation connus; i. Element de serrage constitue d'une baguette de section rectangulaire, dont un des cotes est muni d'un tenon de fixation tandis que le cote oppose est taille a angle d'une maniere telle que la baguette a hauteur du tenon se trouve diminuee d'exactement la hauteur dudit tenon, ceci afin de permettre l'introduction aisee de la baguette, lors du serrage, dans la rainure prevue a cet effet dans les profiles selon l'invention; j. Element de pression constitue d'un verin muni en sa plaque inferieure de deux ergots, afin d'empecher le glissement des montants principaux et de deux coulisseaux formant guide et empechant la torsion des montants principaux. **Machine translation:** 1. System partitions and curtain walls' with frame composed of stiles and rails made of aluminum or other materials for the immediate placement with clamping strip and sealing or filling joints of precast panel is a double wall with acoustic soul or not, and seamless construction of single or double walls with air mattress or interposition of an insulating material, including frames and amounts are constituted by one and the same main profile section which preferably has the form a firm box hollow parallelepiped general outline. An element of pressure is planned to block the partition between ceiling and floor or between two opposite walls with the following items taken alone or in combination: a. Profile whose two opposite sides of the housing parallel to the plane of the wall, are, on their width between pan, which was stronger than in the perpendicular sides at the wall thickness b. Profile whose dimensions perpendicular to the partition are provided next to each Batee a groove for Appropriate and parallel shape the partition into which the clamping strip a rectangular c. Profile which highlights the four corners of the general outline hollow parallelepiped, are replaced by nips making RAIL and forming pan, which in pans which can accommodate the panels or with interposition of sealing gaskets or generally elastic filling and by the fact that the outer side edges of the projections are in the form of a dovetail. d. Profile with a height perpendicular to the plane of the wall is reduced by half compared to the main profile used for a given frame and the fact that the opposite side is the outer face flush with the wall is formed by a wall presenting a groove and a shaped protrusion dovetail staggered, each dovetail projection of a component that can slip into the dovetail groove to another, thereby varying assemblies including assemblies with wall profiles perpendicular to the wall in a same plane or a different plan based on the needs of their use, e. Profile with sharp edges of the hollow parallelepiped general outline are simply rounded f. Element intended to be fixed by any means known in the blank of the profile described above to obtain two equal or not Thrust. having the shape of an E short branches, the central branch having twice the thickness of the side branches; g. Shoe element, provided with a groove-shaped dovetail fitting to the dovetail projection profiles according to the invention and can currently be slid to allow easy placement of a plinth; h. Profile forming jamb intended to pose any doors or frame, equipped with half lateral projections emboiting in the grooves of the invention or profiles are maintained by all known attachment means, 'i. Clamping element is a rod of rectangular section, one of the dimensions has a fastening pin while the opposite side is a size angle in a way such that the wand height of the post is decreased to exactly the height of said post, in order to allow easy insertion of the stick, during tightening, in a groove provided for this purpose in the profiles of the invention; j. Pressure element is a cylinder provided at its bottom plate with two lugs, so as to prevent slippage of the main uprights and two slides forming guide and prevents twisting of the main uprights.

Classifications:

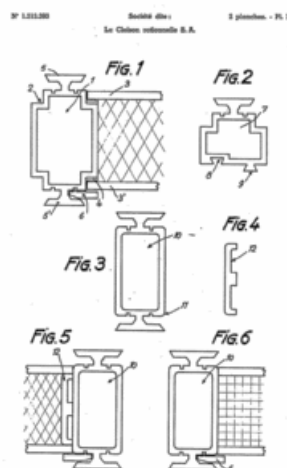
International (IPC 8-9): E04B2/78 E04B2/92 (Advanced/Invention);

E04B2/76 E04B2/90 (Core/Invention)

International (IPC 1-7): E04B2/78

CPC: E04B2/78 E04B2/92

European: E04B2/78 E04B2/92

**Family:**

Publication number	Publication date	Application number	Application date
FR1313393 A	19621228	FR19621319582	19620109

Priority:

BE19610476385 19610109

Probable Assignee:

CLOISON RATIONELLE S A

Assignee(s): (std):

CLOISON RATIONELLE S A

Assignee(s):

LA CLOISON RATIONELLE S A

10) Family number: 50538170 (EP2412884B1)

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Title: ATTACHMENT STRUCTURE FOR CURTAIN WALL ELEMENTS IN MULLIONS-TRANSOMS-CONSTRUCTION WITH IMPROVED THERMAL INSULATION PROPERTIES STRUCTURE D'ATTACHE POUR ELEMENTS DE FACADE DE CONSTRUCTION POTEAU-TRAVERSE DOTE D'UNE PROPRIETE D'ISOLATION TH

Abstract: Source: EP2412884A3 [DE]

Zur Verfügung gestellt wird eine Aufsatzkonstruktion fuer Fassadenelemente in Pfosten-Riegel-Bauweise, aufweisend ein an Pfosten und/oder Riegel anordenbares Grundprofil (5; 6', 6"; 7) und ein Andruckprofil (21) zum Befestigen eines Fuellelements (23) zwischen dem Grundprofil (5; 6', 6"; 7) und dem Andruckprofil (21), wobei die Aufsatzkonstruktion zwischen dem Grundprofil (5; 6', 6"; 7) und dem Andruckprofil (21) ein stabiles und Waerme isolierendes Verbindungselement (9, 8) aufweist, welches sowohl fest mit dem Grundprofil (5; 6', 6"; 7) als auch mit dem Andruckprofil (21) verbunden ist, so dass Verbindungselement (9, 8) das Andruckprofil (21) mit dem Grundprofil (5; 6', 6"; 7) verbindet, wobei das Verbindungselement zweiteilig ausgestaltet ist, wobei ein Teil einen Verbindungssteg (9) und das andere Teil ein Profil (8) mit einem Befestigungskanal (16) bilden und wobei der Verbindungssteg (9) grundprofilseitig und das Profil (8) andruckprofilseitig angeordnet sind, derart, dass in den Befestigungskanal (16) des Profils (8) ein durch das Andruckprofil (21) hindurch gefuehrtes Befestigungsmittel (22) zum Verbinden des Andruckprofils (21) mit dem Profil (8) aufnehmbar ist, und wobei das Profil (8) ueber eine Klemmverbindung mit dem Verbindungssteg (9) verbunden ist.. [FR] ME

Classifications:

International (IPC 8-9): E04B2/96 (Advanced/Invention)

CPC: E04B2/967 E04B2/96

European: E04B2/96

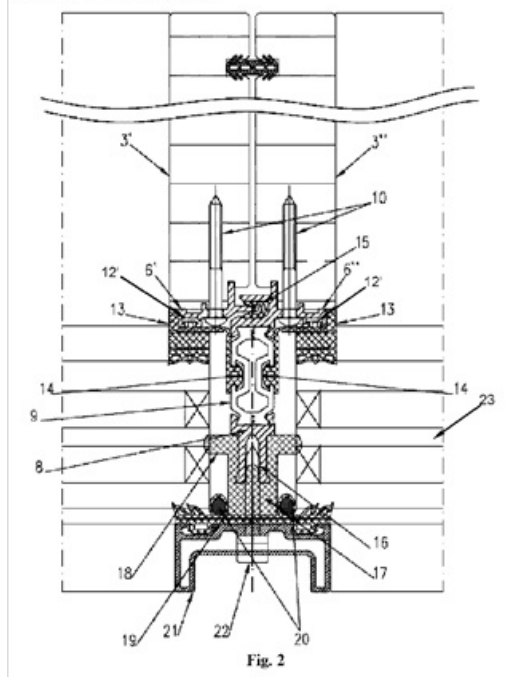


Fig. 2

Family:

Publication number	Publication date	Application number	Application date
DE102010032947 A1	20120202	DE201010032947	20100730
DE102010032947 B4	20140508	DE201010032947	20100730
DE502011011183 D1	20170105	DE201150011183T	20110801
EP2412884 A2	20120201	EP20110176143	20110801
EP2412884 A3	20130703	EP20110176143	20110801
EP2412884 B1	20161123	EP20110176143	20110801

Priority:

DE201010032947 20100730 EP20110176143 20110801

Probable Assignee: SCHINDLER FENSTER FASSADEN INNENAUSBAU GMBH AND CO KG**Assignee(s):** (std): SCHINDLER FENSTER AND FASSADEN GMBH ; SCHINDLER FENSTER FASSADEN INNENAUSBAU GMBH AND CO KG**Assignee(s):** SCHINDLER FENSTER FASSADEN INNENAUSBAU GMBH AND CO KG**Inventor(s):** (std): DREXLER MARTIN ; LANKES GOTTFRIED**Agent(s):** BETTINGER SCHNEIDER SCHRAMM; 2S IP SCHRAMM SCHNEIDER PATENTANWAELTE RECHTSANWAELTE**Designated states:** AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR**11) Family number: 720512 (GB1211881A)**

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Title: IMPROVEMENTS IN OR RELATING TO BUILDING CONSTRUCTIONS

Abstract: 1,211,881. Sealing strips in window, curtain walling c. installations. ASTRALITE Ltd. 1 Dec., 1967 [25 Jan., 1967], No. 3758/67. Headings E1J and E1W. A sealing arrangement at the periphery of a structural assembly such as a window 38 curtain walling or the like constructed by a planar frame including, e.g. frame peripheral members 10 secured by fixing rails 18 to the surrounding structure 22 and incorporating inner frames 46 secured to the frame 10 by flexible strips 30 with key strips 30a comprises a sealing strip 56 provided between the periphery of the frame 10 and the structure 22, the sealing strip having a transverse section which includes at least one flexible limb 58 secured at one end to the frame and extending from the frame with its profile deformed to contact the structure 22 and allows relative movement, e.g. due to temperature changes, between the frame and structure parallel to the frame, enabled by the method of fixing the frame in the structure 22 by means of U-shaped section of the frame members 10 having bifurcated flanges 14 into which engage the flanges 24 of the fixing rail 18. As shown, the outer flange of the frame members 10 is provided with an angle extension 16 having an inwardly turned flange 62 which is accommodated in the groove 28 of a strip 30 of flexible material together with the base portion 60 of the strip 56, and is positively locked therein by a key and groove engagement 62 of the portions 60 and 62. The strip 56 also has a spur 64 that sits on the shoulder of the strip 30. Each flange 62 has a widened terminal portion to fill the width of slot 28 for the transference of weight of the frames or panels 34, 40 to the frames and avoid bending of the strips 30. A sash, hinged as at 42, top or bottom or side hung, or slidable may be provided. The strip such as 58 is also described to seal the junction between two juxtaposed frames, the adjoining frame members forming a mullion (Fig. 3, not shown). The strip 53 may be integral with the strip 30 and have a groove 68 as indicated. The strip 58 may take the form of a tape (Figs. 4 and 5 not shown) and avoid electrolytic action between the adjoining different metals.

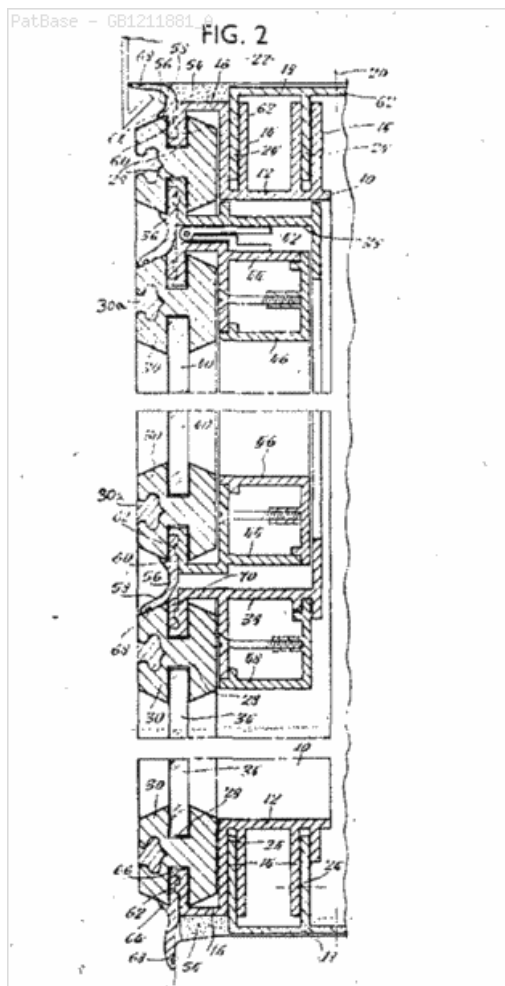
Classifications:**International (IPC 8-9):** E06B1/60 E06B3/38 E06B3/62 E06B3/64 (Advanced/Invention);

E06B1/56 E06B3/32 E06B3/58 E06B3/64 (Core/Invention)

International (IPC 1-7): E04B2/88 E06B1/64 E06B3/62**CPC:** E06B1/6007 E06B1/6015 E06B3/38 E06B3/6205 E06B3/64

E06B2003/6226 E06B2003/6229 E06B2003/6247 E06B2003/6255

European: E06B1/60A E06B1/60B E06B3/38 E06B3/62B E06B3/64 P06B3/62P3 P06B3/62P4 P06B3/62Q6 P06B3/62R3

**Family:**

Publication number	Publication date	Application number	Application date
GB1211881 A	19701111	GB19670003758	19670125

Priority:

GB19670003758 19670125

Probable Assignee:

ASTRALITE LTD

Assignee(s): (std):

ASTRALITE LTD

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Inventor(s): (std):

STOAKES RICHARD LEWIS

Inventor(s):

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