

[EPODOC: SS 9] 5

Results in EPODOC **3**

[SS 10] 6

Results in EPODOC **3**

[SS 11] 7

Results in EPODOC **20**

[SS 12] 8

Results in EPODOC **10**

[SS 13] 7 or 8

Results in EPODOC **30**

[SS 14] ..li

1/30 © EPODOC / EPO

PN - [US2015052711](#) A1 20150226

PNFP - US9261121 B2 20160216

PR -US201314390605 20130205; US201261619510P 20120403; WO2013US24748
20130205

AP - US201314390605 20130205

DT - **

CCI - [G09F13/0404](#) ; [G09F7/18](#)

CUI - [F16B2/22](#)

CQI - [G09F7/16](#)

CCA - [Y10T24/44376](#) ; [Y10T29/49826](#)

PA - (A1)
SIGNCAMP LLC [US]; SIGNCOMP LLC [US]
- (B2)
SIGNCOMP LLC [US]

TI - (A1)
CHANNEL LETTER AND TRIM CAP **RETAINING CLIP THEREFOR**
- (B2)
Channel sign lens securing **system**

AB -(A1 B2)
A channel letter has a rear surface for mounting against a raceway, wall, or a structure for supporting the signage, and sheet metal sides defining the figuration of the letter or shape to be depicted. A lighting element is positioned against the rear surface of the enclosure, and a lens is retained to the open front of the enclosure. The lens is retained by a plurality of retainer clips. Each of the retainer clips has a first and a second side extending from an arched back with the sides spaced a distance sufficient for the sides to fit around the end of the walls.

2/30 © EPODOC / EPO

PN - [CN103878806](#) A 20140625

PNFP - CN103878806B B 20160817

PR - CN20141132892 20140403

AP - CN20141132892 20140403

DT	-	I
CT	- STSE (A) CN1557590 A 20041229 [A] (UNIV GUANGDONG TECHNOLOGY [CN]); KR20100092779 A 20100823 [A] (KANG DU SUK [KR]); CN101890732 A 20101124 [A] (HUADONG ZHANG); CN103341872 A 20131009 [A] (TIANJIN BOXIN AUTOMOBILE PARTS); CN102615660 A 20120801 [A] (JINAN DECA MACHINE CO LTD); EP0668231 A2 19950823 [A] (SHIMA SEIKI MFG [JP]); CN102581861 A 20120718 [A] (SHUMAN GAO, et al); CN203765681U U 20140813 [R] (XUZHOU FUYANG ENERGY TECHNOLOGY CO LTD); CN201313321Y Y 20090923 [A] (NANJING FEININGER ENERGY SAVIN [CN]); CN203371576U U 20140101 [A] (SUICHANG XINGCHANG PAPER INDUSTRY CO LTD)	
PA	- (A) XUZHOU FUYANG ENERGY TECHNOLOGY CO LTD	
TI	- (A) Wood-plastic composite profile cutting machine	
AB	-(A) The invention discloses a wood-plastic composite profile cutting machine, and belongs to the technical field of wood-plastic composite profile smashing. The wood-plastic composite profile cutting machine comprises a support, a working table, a feed cutting device, a driving device and a chipping collecting and sending device. The feed cutting device comprises a cutting saw, saw web pressing wheels, an upper machine frame body, lower pressing rollers and upper pressing rollers. The chipping collecting and sending device comprises a hopper and a draught fan. The wood-plastic composite profile cutting machine is high in efficiency, wide in application range and high in adaptability, has the dust and chipping collecting function, can synchronously collect wood-plastic composite chippings and cut panels and can synchronously smash the wood-plastic composite chippings and the cut panels at a time, and can cut and smash wood-plastic composite profiles with large widths. The wood-plastic composite profile cutting machine can be	

directly connected with a smashing machine in a butt **joint** mode so as to form a wood-**plastic** composite **profile** cutting and smashing system which is extremely high in forming efficiency.

3/30 © EPODOC / EPO

PN	- GB2512108 A 20140924
PNFP	- GB2512108 B 20160525
PR	- GB20130005159 20130321
AP	- GB20130005159 20130321
DT	- *; Rep
CT	- STSE (A) GB2415459 A 20051228 [] (ALLPORT BRIAN [IE]) GB2345937 A 20000726 [] (SEARLE JOHN [GB]) US5155952 A 19921020 [] (HERWEGH NORBERT [CH], et al) - STSE (B) GB2415459 A 20051228 [] (ALLPORT BRIAN [IE]) GB2345937 A 20000726 [] (ALITEX LTD [GB]) US5155952 A 19921020 [] (HERWEGH NORBERT [CH], et al)
CCI	- E04D3/08 ; E04D13/03
CNOI	- (A B) E04B7/06 ; E04D3/08 ; E04D13/03
CCA	- E04B2007/066 ; E04D2003/0875
PA	- (A) - ROOF MAKER LTD [GB] - (B) - ROOF-MAKER LTD [GB]
TI	- (A B) Glazing bar assembly
AB	-(A) - The glazing bar assembly 20 comprises a metallic glazing support member 22, a plastics connector 30 and a metallic capping 38. The glazing support member 22

extends along a glazing **joint** at an apex between the edges of adjacent non-parallel glazing **panels** 14. The connector is releasably attached to the glazing support member 22 and has co-extruded gaskets 32 which cooperate in use with the adjacent glazing **panels** 14. The capping is releasably attached to the econnector 30 by several transversely-spaced protrusions 36 and cooperating slots 40. Also claimed is a kit of parts which contain the capping, connector and support. The protrusions may extend upwardly from the connector to be received in slots in the capping. The connector and capping may have an inverted V section **profile**. The **plastic** may be polyvinyl chloride (PVC). The glazed roof may be a roof light, skylight or conservatory roof.

4/30 © EPODOC / EPO

PN - [MX2009007531](#) A 20100322

PR - US20080172576 20080714

AP - MX20090007531 20090714

DT - I

CCI - [H02B1/056](#) ; [H01R13/18](#)

PA - EATON CORP [US]

TI - POWER DISTRIBUTION **SYSTEM** AND ELECTRICAL CONNECTOR ASSEMBLY **THEREFOR**.

AB - An electrical connector assembly is provided for electrically connecting an electrical apparatus, such as a circuit breaker, to an electrical bus member. The electrical connector assembly includes a contact stab extending outwardly from the electrical bus member. The contact stab includes first and second sides having first and second indentations, respectively, which are disposed opposite one another. A **clip** member mechanically couples and electrically connects the circuit breaker to the contact stab. The **clip** member includes a first leg and a second leg disposed opposite and distal from the first leg. The first leg engages the first indentation of the first side of the contact stab and the second leg engages the second indentation of the second side of the contact stab, thereby **retaining** the **clip** member on the contact stab.

5/30 © EPODOC / EPO

PN	- CA2672334 A1 20100114
PNFP	- CA2672334 C 20160216
PR	- US20080172576 20080714
AP	- CA20092672334 20090714
DT	- I
CCI	- H01R13/18 ; H02B1/056
PA	- (A1 C) EATON CORP [US]
TI	-(A1 C) POWER DISTRIBUTION SYSTEM AND ELECTRICAL CONNECTOR ASSEMBLY THEREFOR
AB	-(A1) An electrical connector assembly is provided for electrically connecting an electrical apparatus, such as a circuit breaker, to an electrical bus member. The electrical connector assembly includes a contact stab extending outwardly from the electrical bus member. The contact stab includes first and second sides having first and second indentations, respectively, which are disposed opposite one another. A clip member mechanically couples and electrically connects the circuit breaker to the contact stab. The clip member includes a first leg and a second leg disposed opposite and distal from the first leg. The first leg engages the first indentation of the first side of the contact stab and the second leg engages the second indentation of the second side of the contact stab, thereby retaining the clip member on the contact stab. -(C) An electrical connector assembly is provided for electrically connecting an electrical apparatus, such as a circuit breaker, to an electrical bus member. The electrical connector assembly includes a contact stab extending outwardly from the electrical bus member. The contact stab includes first and second sides having first and second indentations, respectively, which are disposed opposite one another. A clip member mechanically couples and electrically connects the circuit breaker to the contact stab. The clip member includes a first leg and a second leg disposed

opposite and distal from the first leg. The first leg engages the first indentation of the first side of the contact stab and the second leg engages the second indentation of the second side of the contact stab, thereby **retaining** the **clip** member on the contact stab.

6/30 © EPODOC / EPO

PN - [EP2146025](#) A2 20100120

PNFP - EP2146025 A3 20120905
- EP2146025 B1 20131218

PR - EP20080734746 20080325; DE20071015048 20070326

AP - EP20090013836 20080325

DT - **

CT - || STSE (A3)
[WO2007020088](#) A1 20070222 [A] (BAUER JOERG R [DE])
[A] 1
* figure 14 *

CCI - [E04F15/02](#) ; [E04F15/02038](#) ; [F16B5/0076](#)

CCA - [E04F15/04](#) ; [E04F2201/0138](#) ; [E04F2201/0146](#) ; [E04F2201/041](#) ; [Y10T428/167](#)

PA - (A2 A3 B1)
KRONOTEC AG [CH]

TI - (A2 A3 B1)
Method for producing a panel, in particular a floor panel

AB - (A2)

A panel (1,2) has a core of a wood material or wood-**plastic** mixture (17), an upper face (18), and a lower face (19), which has on at least two opposite-facing edges a corresponding **profile** so that two identically-shaped **panels** (1,2) can be connected together through a vertical **joint** movement in a horizontal and vertical direction and locked, in which the locking in a vertical direction is effected by at least one movable spring element (3) which, during the movement of the **joint**, snaps in behind a locking edge (4). The spring element is formed as a single-piece from the core (17).

7/30 © EPODOC / EPO

PN - [DE102008020081](#) A1 20091029

PR - DE20081020081 20080422

AP - DE20081020081 20080422

DT - *; Rep

CT - || STSE (A1)
[DE29900510U](#) U1 19990812 [] (HASLBECK TECHNIK GMBH [DE]);
[DE102006014962](#) A1 20071004 [] (PORSCHE AG [DE]);
[DE102004020925](#) B3 20050811 [] (PORSCHE AG [DE]);
[US4493506](#) A 19850115 [] (AMERICAN SUNROOF CORP [US]);
[US4607878](#) A 19860826 [] (HONDA MOTOR CO LTD [JP]);
[JP2008030614](#) A 20080214 [] (MAZDA MOTOR);
[DE10002617](#) A1 20010726 [] (VOLKSWAGEN AG [DE])

CCI - [B62D25/02](#) ; [B62D29/008](#) ; [B60R13/04](#)

CCA - [B60R2013/046](#)

PA - PORSCHE AG [DE]

TI - Door sill i.e. aluminum strand **profile**, for body of motor vehicle, has inside and outside **panels** connected to door sill panel so as to close door sill, and reinforcement **profile** provided between inside and outside **panels**

AB - The door sill (1) has an inside panel (2) and an outside panel (3), where area extending over whole length of the door sill is provided as inside and outside **panels** of a door sill panel (5). The inside and outside **panels** are connected to the door sill panel so as to close the door sill in longitudinal direction. A reinforcement **profile** (4) is provided between the inside and outside **panels**. The reinforcement **profile** is fastened to a door sill frame. The inside and outside **panels** are fastened to the reinforcement **profile** by a screw **joint**. A cover (6) made of **plastic** is provided.

8/30 © EPODOC / EPO

PN - [US7553175](#) B1 20090630

PR - US20080172576 20080714

AP - US20080172576 20080714

DT - *

CT - [US4180846](#) A []; [US5272591](#) A [];
[US5510960](#) A []; [US5640294](#) A []

CCI - [H02B1/056](#) ; [H01R13/18](#)

PA - EATON CORP [US]

TI - Power distribution **system** and electrical connector assembly **therefor**

AB - An electrical connector assembly is provided for electrically connecting an electrical apparatus, such as a circuit breaker, to an electrical bus member. The electrical connector assembly includes a contact stab extending outwardly from the electrical bus member. The contact stab includes first and second sides having first and second indentations, respectively, which are disposed opposite one another. A **clip** member mechanically couples and electrically connects the circuit breaker to the contact stab. The **clip** member includes a first leg and a second leg disposed opposite and distal from the first leg. The first leg engages the first indentation of the first side of the contact stab and the second leg engages the second indentation of the second side of the contact stab, thereby **retaining** the **clip** member on the contact stab.

9/30 © EPODOC / EPO

PN - [EP2136026](#) A1 20091223

PNFP - EP2136026 B1 20110810

PR - FR20080053963 20080616

AP - EP20090007829 20090615

DT - *; Rep

CT - || STSE (A1)
[FR2492879](#) A1 19820430 [XA] (SUPERSEAL CORP [CA])
[X] 8
* figure 3 *
* page 1, line 25 - line 26 *
* page 4, line 28 - line 30 *
* page 6, line 13 - line 31 *

	[A] 1-7; EP1710386 A1 20061011 [A] (NORSK HYDRO AS [NO]) [A] 1 * figure 2 *; EP0834639 A1 19980408 [A] (ALCAN FRANCE [FR]) [A] 1 * figures 1-3 *
CCI	- E06B3/5454 ; E06B3/56
CCA	- E06B3/26341
PA	- (A1 B1) PROFILS SYSTEMES [FR]
TI	-(A1 B1) A window joinery with a device for fixing elements that make up such a window joinery
AB	-(A1) The device (D) has a U-shaped joint (300) associated interiorly with edges of a pair of glass panels (210, 220) and externally associated with edges of a U-shaped recess (130). A plastic joining piece (400), on a portion of height of posts formed by a frame (100), is inserted between one of the edges of the panels and one of profiles (110, 120) of the frame. The piece forms a closed chamber, in which a joining sealant is introduced, between a glazing pane (200) and the other profile of the frame.

10/30 © EPODOC / EPO

PN	- US6164024 A 20001226
PR	- US19970959255 19971028
AP	- US19970959255 19971028
DT	- *
CT	- US1141445 A []; US1988647 A []; US2293351 A []; US2312994 A []; US2784814 A []; US2841255 A [];

[US3002591](#) A []; [US3022869](#) A [];
[US3046852](#) A []; [US3257758](#) A [];
[US3290850](#) A []; [US3299595](#) A [];
[US3386221](#) A []; [US3421276](#) A [];
[US3984961](#) A []; [US4035539](#) A [];
[US4057936](#) A []; [US4084272](#) A [];
[US4135342](#) A []; [US4193232](#) A [];
[US4222210](#) A []; [US4223493](#) A [];
[US4242849](#) A []; [US4299070](#) A [];
[US4332119](#) A []; [US4573300](#) A [];
[US4998395](#) A []; [US5348790](#) A [];
[US5387456](#) A []; [US5845446](#) A [];
[AU47557](#) A []; [FR1007773](#) A [];
[DE812130](#) C []; [DE1690777](#) A [];
[DE1759662](#) A1 []; [DE2125725](#) A1 [];
[DE2527013](#) A1 []; [DE2802181](#) A1 [];
[GB482747](#) A []; [GB814250](#) A []

CTNP	- [] Polyu Italiana S.p.A, C3/16 Self Supporting Flat system, Systeme Plan Autoportant, (1996) [] Polyu Italiana S.p.A, C2/10 Self Supporting Flat system, Systeme Plan Autoportant, (1996) [] Polyu Italiana S.p.A, C1/6 Self Supporting Flat system, Systeme Plan Autoportant, (1996) [] Polygal, The Logical Glazing Alternative, (1996) [] Polygal, Aug. 1987, Polygal Polycarbonate Structured Sheets [] Kalwall Corporation, 1988, The Daylighting Experience
CCI	- E04D3/366 ; E04D3/08 ; E04D3/28
CCA	- E04D2003/0806 ; E04D2003/085 ; E04D2003/285
PA	- KONVIN ASSOCIATES LTD PARTNERS [US]
TI	- Architectural glazing panel system and retaining clip therefor
AB	-A high performance light transmissive glazing panel system is provided such as for overhead roof constructions which has a wind load resistance on the order of 330

psf. The glazing panels are supported on a framework of purlins and rafters and include upstanding seam flanges for connecting adjacent panels together with a batten joining connector. Retention clips are secured to the purlins with each having a central web extending between the seam flanges and elongated top flanges which abut the tops of the seam flanges over a distance that is equal to or greater than the transverse width of the purlin for improved holding power. The preferred **clip** is an integral extrusion and can take on a variety of forms in accordance with the invention. In each form, the **clip** top flange extends continuously from one side of the web to the other so as to be resistant to being bent upward on either side of the web. The **clip** can be extruded with thickened portions to increase its moment of inertia and resistance to bending for improved holding power and rigidity of the glazing panel **system**. In addition, the base of the **clip** can be integral with the supporting structure therebelow to reduce the need for distinct support members of the panel supporting framework.

11/30 © EPODOC / EPO

PN - [US5921592](#) A 19990713

PR - US19970810320 19970228; US19950561196 19951121

AP - US19970810320 19970228

DT - *

CT - [US589216](#) A []; [US2142768](#) A [];
[US2225208](#) A []; [US2457077](#) A [];
[US2739615](#) A []; [US2921606](#) A [];
[US3221746](#) A []; [US3712649](#) A [];
[US3773360](#) A []; [US3920270](#) A [];
[US3997196](#) A []; [US4099749](#) A [];
[US4105226](#) A []; [US4411302](#) A [];
[US4471978](#) A []; [US4491124](#) A [];
[US4610468](#) A []; [US4613172](#) A [];
[US4643466](#) A []; [US4997213](#) A [];
[US5009454](#) A []; [US5064227](#) A [];
[US5213377](#) A []; [US5259650](#) A [];

[EP0373272](#) A1 []; [DE2641472](#) A1 [];
[DE2030859](#) A1 []; [CH277765](#) A [];
[SU596772](#) A1 []; [GB1081702](#) A []

CCI - [F16L37/091](#) ; [F24F13/0209](#)

PA - TALANA INVESTMENTS LIMITED [VG]

TI - Duct joiner and **retaining clip therefor**

AB - A duct joiner for connecting an air duct to another duct or other part of an air conditioning **system** has a tubular neck portion, a **retaining clip** and a sealing ring both mounted on the neck portion. The **retaining clip** has a ring portion received in a groove in the outer surface of the neck portion and a series of resilient teeth extending outwardly from the ring portion. The teeth are resiliently deformable to allow a hollow duct to be fitted over the neck portion and have either sharp edges or barbs thereon which dig into the internal surface of the duct to retain the duct on the neck portion of the joiner. The sealing ring has a ring section received in another groove in the outer surface of the neck portion and a resilient skirt which provides a seal between the neck portion of the joiner and the duct. The joiner may have one or more other neck portions with respective **retaining** clips and sealing rings for joining one duct to one or more other ducts. In other embodiments, the joiner may be provided with an air outlet portion such as a diffuser outlet.

12/30 © EPODOC / EPO

PN - [US5343884](#) A 19940906

PR - US19930114847 19930902

AP - US19930114847 19930902

DT - *; Rep

CT - || STSE (A)
[US998507](#) A 19110718 [] (HASTY CHARLES EDWARD [US]);
[US1026262](#) A 19120514 [] (HASTY CHARLES EDWARD [US]);
[US3165236](#) A 19650112 [] (BEAZER CHARLES W, et al);
[US4004601](#) A 19770125 [] (BACHELDER PATRICK EUGENE, et al);
[US4099551](#) A 19780711 [] (BILLINGTON EVANS R, et al);

[US5004003](#) A 19910402 [] (GRAY JR CHARLES H [US]);

[US5067510](#) A 19911126 [] (BREAUX CRAIG B [US], et al)

CTNP	- [] Brochure of CFI Valve Specialties On Light Weight Gate Valves, publication date unknown
CCI	- F16K51/00 ; F16K3/06 ; F16K17/383
CCA	- Y10T137/1834
PA	- HENDERSON TOM [US]; GIBBS WAYNE [US]
TI	-Self-closing gate valve system and external self-closing actuator mechanism therefor
AB	-A self-closing actuator mechanism and a gate valve system equipped with the actuator mechanism, in which a coil spring acts on a gate valve actuating arm only in a closing direction, the coil spring being held in a compressed condition by retaining clips that are connected by a spring under tension and which carry a meltable link material on them between each clip and a holding sleeve. The clips release automatically, under the tensioning of their connecting spring, when either the holding sleeve is retracted or the link material melts. The gate valve system is designed to meet all regulations pertaining to the transportation of hazardous cargoes, while being low in cost and able to be retrofit installed on existing tank gate valves in a simple and easy manner.

13/30 © EPODOC / EPO

PN	- RU2003127022 A 20050310
PNFP	- RU2285764 C2 20061020
PR	- FI20010000213 20010205
AP	- RU20030127022 20020205
DT	- I
CCI	- E01C11/123 ; E04F15/14
PA	- (C2) VJALISUOMEN IMUBETONI OJ [FI]

TI	- (C2) REINFORCING CONTROL JOINT ASSEMBLY FOR CONCRETE PANELS
AB	-(C2) FIELD: control joints, particularly packing of metal and plastic or elastic materials for joint forming. ^ SUBSTANCE: assembly comprises the first profiled member secured to one edge of the first concrete panel and the second profiled member fastened to one edge of the second concrete panel. The profiled members are connected with each other by removable connection strips so that a gap is created between the profiled members. The profiled members and the connection strips define single continuous extruded profile unit formed of aluminum. Connection strip edges are fastened to profiled members by means of ultra-thin bridges, which maintain connection between profiled members during panel casting operation. Control joint assembly is installed at design height on concreting base before panel casting. During panel casting connection strips cover gaps between profiled members and prevent gap filling with concrete. After concrete hardening the connection strips are separated from the panel and the gaps are filled with elastic sealant. The first profiled member is used as mold for control joint forming and is made so that concrete panels may be cast from different control joint sides the at any time. ^ EFFECT: increased efficiency. ^ 9 cl, 3 dwg

14/30 © EPODOC / EPO

PN - [RU2003121223](#) A 20050120

PNFP - RU2242341 C1 20041220

PR - RU20030121223 20030708

AP - RU20030121223 20030708

DT - I

TI - (C1)
METHOD FOR SOLDERING HONEYCOMB **PANELS**

AB -(C1)

FIELD: manufacture of complex-**profile panels** with variable cross section, for example hollow vanes of fan of aircraft engine. ^ SUBSTANCE: honeycomb **panels** includes boards between which honeycomb fillers are arranged. Method comprises steps of placing solder in soldering zone; assembling soldered **panels** at forcing boards one to other; heating them until soldering temperature and cooling. Boards are forced one to other by means of fitting at predetermined temperature condition of **plastic** deformation lower than solder melting temperature by 50 -250 C. At least two parts of fitting are used for forcing boards. Cooling is realized at minimally admissible temperature gradient along length of panel at heating portion of panel of less cross section. Method allows to prevent undesirable deformations of thin-wall **panels**, non-soldered spots and non-uniform soldered **joint**. ^ EFFECT: enhanced quality of soldered **panels**. ^ 3 cl, 1 dwg, 1 tbl

15/30 © EPODOC / EPO

PN - [GB2133982](#) A 19840808

PR - GB19830002208 19830127

AP - GB19830002208 19830127

DT - *

CT - [GB2044976](#) A []

CCI - [A47G1/0605](#)

PA - GOLDEN DESIGNS LIMITED

TI - Framing **system**

AB -A framing **system** and kit of parts **therefor** including a rear plate 11 and a transparent front plate 10 between which a sheet for display can be located, a plurality of resilient clips 12 which engage the outer faces of the two plates and urge the two plates together, and a surrounding frame 20 which in cross-section has a channel in which the edges of the plates and at least part of each **clip** are received, the resilience of the clips **retaining** the frame in place. <IMAGE>

16/30 © EPODOC / EPO

PN	- GB920803 A 19630313
PR	- SE19590005971 19590624
AP	- GB19600021914 19600622
DT	- *
CCI	- E04F13/18 ; B44C5/04
PA	- SKANSKA ATTIKFABRIKEN AB
TI	- Improvements in or relating to mouldings for decorative wall panelling
AB	-920,803. Decorative mouldings. SKANSKA ATTIKFABRIKEN A.B. June 22, 1960 [June 24, 1959], No. 21914/60. Class 93. A decorative moulding, which will cover the joint between two adjacent decorative panels or between a decorative panel and a wall, includes a plastic outer cover or profile having a decorative surface and a resilient foamed plastic inner part connected to the outer cover or profile by an adhesive, the inner part being connectible to a panel or panels so as to cover an edge or edges thereof. The first part may be affixed separately to a wall, and the second part then joined thereto, using adhesive. As shown in Fig. 1, a wall 1 is covered with a foamed plastic layer, using adhesive, panels 5 and 7 are affixed thereto, using adhesive, and the joint 9 is covered with a decorative moulding comprising a foamed plastic part 13 and a decorative profile 11 of plastic , metal or other material. The parts 13 and 11 may be affixed separately. A similar arrangement may be provided at the end of a panel and also at the corner of a wall. As shown in Fig. 4, panels 55 and 57 are secured to foamed plastic layers 51, 53 secured to a wall 1, and the corner is covered by a decorative moulding comprising foamed plastic members 59, 61 and a decorative profile 63. A similar arrangement may be provided where the panelling ends at a difference in level of the wall. The foamed plastic may be replaced by foamed rubber or porous rubber or plastic , and the decorative profile may be of polyvinyl chloride. The adhesive may be a butyl rubber based adhesive.

17/30 © EPODOC / EPO

PN	- WO8101682 A1 19810625
PR	- FR19790030006 19791206; FR19800024810 19801121
AP	- WO1980FR00177 19801205

DT	- *; Rep
CT	- EP ISR (A1) DE2428510 A1 19760102 [A] (ALBERS & V DRATHEN); GB1131612 A 19681023 [A] (HUBEL ARO DEVELOPMENTS LTD); GB1266866 A 19720315 [A]; FR2355984 A1 19780120 [A] (MASCH & WERKZEUGBAU GMBH [DE]); US3087207 A 19630430 [A] (ADOLF STYRA GERD); FR2163540 A1 19730727 [A] (GARLOCK INC); US2916771 A 19591215 [A] (KURT LANG, et al)
CCI	- B29C33/04 ; B29C33/305 ; E06B3/205
CCA	- B29L2031/005 ; B29K2105/043
PA	- EVIRA ETS [FR]; PAILLER J [FR]
TI	- MOULD FOR PRODUCING SECTION ELEMENTS OF PLASTIC MATERIAL
AB	- Mould for producing section elements, panels and frames of plastic material, and woodworks obtained thereby. Such mould comprises substantially two half moulds (1, 2) separated by a joint plane (3) and comprising each a pad (7, 11) the inner face thereof (9, 13) being parallel to the joint plane, and interchangeable members for determining the profile (15-18) fixed to said inner face on either side of the element to be moulded (4), the pads and optionally some members comprising conduits (23) for the circulation of a preheating and cooling fluid. Application particularly to outer woodworks in building constructions.

18/30 © EPODOC / EPO

PN	- FR2420016 A1 19791012
PNFP	- FR2420016 B1 19830520
PR	- FR19780008246 19780316
AP	- FR19780008246 19780316
DT	- *; Rep
CT	- STSE (A1) FR1221579 A 19600602 [] (PROSERPI IVAN); DE1559512 A1 19690911 [] (ESCHWEILER PLASTIK GMBH);

	FR1589994 A 19700406 []; FR1497616 A 19671013 [] (MARIN JULES HENRI, et al); FR1561357 A 19690328 []
CCI	- E06B3/7005
PA	- (A1 B1) DELFOLIE CLAUDE [FR]
TI	-(A1) Assembling modular plastics profiles to make doors - using splayed dovetailed joints to tension the assembly
AB	-(A1) Hollow profiles made of a slightly flexible plastic material can be assembled edge to edge in modular assemblies to make doors. At least on edge of the profile has a dovetail channel enclosed by flanges having slightly oblique faces. Panels are assembled by struts with dovetail profile edges having a wider included angle than the panel channels. Insertion of the struts dilates the channels to couple panels in tension and with the distorted flanges butting in plane joints. A complementary profile is notched for cutting so that groups of modular profiles can be adjusted to any overall door width requd. The taut assembly is rigid and minimises the joint interfaces.

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PN	- FR2126158 A1 19721006
PNFP	- FR2126158 B1 19740215
PR	- FR19710007842 19710226
AP	- FR19710007842 19710226
DT	- *; Rep
CT	- STSE (A1) US3455077 A 19690715 [] (LONG ERNEST GUINNE); FR1347816 A 19640104 [] (BOUSQUET RAYMOND DE PASTRE DE); DE1963213 A1 19700924 []; FR1532753 A 19680712 [] (HALLOCK EDWARD CHARLES)

CCI	- E04B1/6809
PA	- (A1 B1) NOTA MICHEL DI [FR]
TI	-(A1) Building joint seal - of polyethylene profile with captive metal strips anchored by mastics
AB	-(A1) A continuous profile features a bent or curved bridge between a pair of skirted box channels each enclosing a captive metal strip and open along the underside to allow injection of a mastic to bind the metal strips to a surface butting against the profile . Prod. is used esp. for sealing and masking expansion joints, esp. between adjacent concrete or metal clad panels , is lighter and cheaper than metal seal strips, and forms a better joint with common mastics than an all plastic strip.

20/30 © EPODOC / EPO

PN	- EP0961039 A1 19991201
PNFP	- EP0961039 B1 20040218
PR	- DE1998209629U 19980528
AP	- EP19990109265 19990526
DT	- **
CT	- STSE (A1) NL35532C C 00000000 [A] (COMMANDITAIRE VENNOOTSCHAP J.B. VAN HEIJST & ZONEN) [A] 1,2,4,10 * page 1, line 40 - line 64; figures 1-3 *; DE501365 C 19300701 [DA] (WALTER STOYE) [DA] 1,10 * figures 1-5; claim . *; DE1575260 A1 19700122 [A] (ROSENGRENS PLAT AB) [A] 1,10 * page 5, line 5 - page 7, line 9 *;

	FR83105E E 19640619 [A] (FRANÇON ET AL.) [A] 1,10 * page 4, column L, line 12 - line 20; figures 1-5 *
CCI	- B65D11/1873 ; B65D90/08 ; C05F17/0205 ; C05F17/0258 ; F16B5/004 ; F16B5/0614
CCA	- Y02W90/14 ; Y02W30/43 ; Y02P20/145
PA	- (A1 B1) STARPLAST KUNSTSTOFFVERARBEITU [DE]
TI	- (A1 B1) Fastening device
AB	-(A1) A clip fixture joins the adjacent edges of especially plastic panels (2) assembled to form e.g. refuse containers and composting bunkers. The novelty is that: (a) the clip (15, 16, 17) is T-shaped, and has a central bar (17) extending in both directions (19, 20) at the tip to form an incomplete circle extending through approximately 300 degrees ; (b) the panel (2) edges bear an L-shaped profile (7, 9, 10) with an upper shank (10) having an angled extension (11), with a rounded tip resting against the clip circle (20) inner face: (c) the panels (2) may be bent at 45 degrees to the base (7) of the L-shaped profile to create a corner, or are straight to form a butt joint .

21/30 © EPODOC / EPO

PN	- EP0697771 A1 19960221
PR	- DE19944425263 19940716
AP	- EP19950109523 19950620
DT	- *; Rep
CT	- STSE (A1) DE9320385U U1 19940714 [X] (BOSCH GMBH ROBERT [DE]) [X] 1-11 * claims 1-10 *; DE9400985U U1 19940331 [A] (TELEBOX AUTOTELEFON ZUBEHOER G [DE])

[A] 1-11

* figure -; claim - *;

[US3704439](#) A 19721128 [XY] (NELSON ARTHUR)

[X] 12

* column 3, line 29 - line 47; figures 1-4 *

[Y] 13;

[US2984815](#) A 19610516 [YA] (LANDON RICHARD E, et al)

[Y] 13

* column 1, line 28 - line 60; figure - *

[A] 12,14-16

CCI - [H01Q1/24](#) ; [H01R13/703](#) ; [H04B1/3833](#)

PA - BOSCH GMBH ROBERT [DE]

TI - Adapter for a radiodevice and a **retaining clip therefor**

AB -A hand held portable radio has an associated aerial (2) that mechanically couples to the main body (7) via an adapter. The main body (15) is of insulating material and has an embedded metal insert (13) that receives the screwed in end of the aerial. A leaf spring metal contact (6) engages the insert and is set into a metal base (19). The main body includes a second aerial connection bush (40 that is used to receive a plug to connect the phone to the main aerial **system** of a road vehicle.

22/30 © EPODOC / EPO

PN - [EP0562987](#) A1 19930929

PR - FR19920003125 19920310

AP - EP19930430003 19930309

DT - *; Rep

CT - || STSE (A1)

[EP0354149](#) A1 19900207 [AD] (JOSEPH JEAN PIERRE);

[FR2425009](#) A1 19791130 [A] (LANDEX [FR]);

[EP0286417](#) A1 19881012 [A] (BRAWN MAURICE)

CCI - [F16B5/002](#)

CCA - [E04B1/6154](#)

PA	- HOLDING DURANCE LUBERON S A R [FR]
TI	-Methode and device for making insulating and watertight joints between composite panels .
AB	-Method for making insulating and watertight joints between composite panels called upon to be exposed to running water, according to which composite panels (A, B) including a core (1) made of rigid plastic foam arranged between two rigid skins (1, 2) are assembled by means of a linking member (5) in the form of a channel section which is set, via its sides, into longitudinal grooves (4) formed in the core (1) of the said panels , characterised in that, to assemble the panels (A, B) a composite joint element (5) is used, the external or upper part of which consists of a profile (6) including a channel (8) extending over its entire length and a longitudinal median opening (9) emerging in the said channel, and the internal or lower part of which consists of an insulating coating or sole plate (7) arranged against the internal face or lower face of the said profile (6) and secured to the latter, this sole plate having a higher thermal insulation capacity than that of the said profile (6). <IMAGE>

23/30 © EPODOC / EPO

PN	- DE202007002238U U1 20070510
PR	- DE20072002238U 20070215
AP	- DE20072002238U 20070215
DT	- *; Rep
CCI	- E04F19/08 ; E04B9/003
PA	- EFFIZIEN ZEN GMBH [DE]
TI	-Inspection cover in building cladding made from e.g. plasterboard, wood, plastic or steel, comprises standard panel with further filling panels at its corners and edges
AB	-The cladding (5) has a variable area and is multi-part in its construction. It includes a central standard panel (5a), with further filling panels at the corners and edges (5b, 5c, 5d). These form a frame for the central panel and are of similar thickness. The filling panels are fixed to fastening limbs of the frame profile and or cover profile . The standard panel (5a) and the filling panels are butted together and/or are

connected by e.g. an interlocking **joint**. The connection is a tongued-and-grooved **joint**, the grooves and tongues extending in the plane of the frame or cover.

24/30 © EPODOC / EPO

PN - [DE19719501](#) A1 19981119

PR - DE1997119501 19970507

AP - DE1997119501 19970507

DT - *

CT - [DE3412515](#) C1 []; [DE3050317](#) C1 [];
[US1357713](#) A []

CTNP - [] CH LIT: Prospekt der APU AG, CH-8200 Schaff- hausen
"APU-Dehnfugenprofil Duo-Tex" aus 1/96

CCI - [E04B1/681](#)

PA - DEFLEX BAUTENTECHNIK GMBH [DE]

TI - Expansion **joint** for facade cladding

AB -An expansion **joint** for inserting between the **panels** of a facade cladding has two **plastic** profiles (9,10) which are set each side of the gap between the **panels** and which have grip profiles (12) at the inner edges to hold a flexible seal (16). The outer ends have an interlocking **profile** (26,27) to cover the gap, and outer flanges (19) which are spread over the outer insulation layer (3) to be covered by the rendering layer (4). The outer profiles of the **joint** include lips (28) to form a reference level for the rendering. The **joint** includes an expanding insulation insert and can be fitted into open gaps or corner gaps in a facade cladding.

25/30 © EPODOC / EPO

PN - [DE10022360](#) A1 20011115

PR - DE2000122360 20000508

AP - DE2000122360 20000508

DT - *; Rep

CCI - [B29C45/14467](#) ; [B29C65/68](#) ; [B29C65/70](#) ; [B29C66/52431](#) ; [B29C66/52441](#) ;
[B29C66/52451](#) ; [B29C66/63](#) ; [B62D25/145](#) ; [B62D27/023](#) ; [B62D29/001](#) ;
[B62D29/004](#) ; [B62D29/005](#) ; [B60J5/0408](#) ; [B60J5/0466](#) ; [B60J5/0484](#) ; [B60J5/107](#)

CLC - [B29C66/71](#), [B29K2081/04](#) , ADD
- [B29C66/71](#), [B29K2079/08](#) , ADD
- [B29C66/71](#), [B29K2077/00](#) , ADD
- [B29C66/71](#), [B29K2071/02](#) , ADD
- [B29C66/71](#), [B29K2069/00](#) , ADD
- [B29C66/71](#), [B29K2067/003](#) , ADD
- [B29C66/71](#), [B29K2067/00](#) , ADD
- [B29C66/71](#), [B29K2061/00](#) , ADD
- [B29C66/71](#), [B29K2033/12](#) , ADD
- [B29C66/71](#), [B29K2025/08](#) , ADD
- [B29C66/71](#), [B29K2023/00](#) , ADD

CCA - [B29L2031/3002](#) ; [B29C45/14836](#) ; [B29C45/33](#) ; [B29C66/71](#) ; [B29C66/7394](#) ;
[B29C66/72141](#) ; [Y10T428/24174](#) ; [Y10T428/24198](#)

PA - BAYER AG [DE]

TI - Composite component, used for structural use in vehicles and machines, comprises profiles with reinforcing elements at the joints between them and thermoplastic shrunk or injected into the **joint** area

AB - Composite component comprises two or more profiles assembled to form a structure. Reinforcing elements (3,3') are located at each connecting **joint** (10) where one **profile** (1) adjoins or inserts into another **profile** (2) and forms a positive connection with them. Thermoplastic resin is then injected or shrunk onto the connecting point to join the profiles together. Independent claims are made for: (a) a use of the composite part as a structural member in motor vehicles, especially doors, impact bumpers, front and rear body parts, door support frames, instrument **panels**, tailgate supports, roof frames and decorative parts; machines; electronic products; household goods and construction; and (b) a process for production of the composite component in which two or more profiles (1,2) are inserted into or are enclosed by reinforcing members (3,3') to form a

connecting **joint** (10) and either a thermoplastic **plastic** is injected to join the profiles or pieces of shrinkable thermoplastic (4) are placed around the **joint** and shrunk into position.

26/30 © EPODOC / EPO

PN - [DE2422382](#) A1 19751120

PR - DE19742422382 19740509

AP - DE19742422382 19740509

DT - *; Rep

CCI - [E04B1/6158](#) ; [E04C2/38](#) ; [F24D19/06](#) ; [F24D19/065](#)

PA - ALFRED HAENER GMBH ING

TI - Modular assembly system for cladding, dividers etc - dove-tailed grooves in panel edges permit panel joining using locking plugs

AB - A modular assembly system for the construction of room dividers or claddings utilises interlocking **plastic** components. The main panel unit consists of a square or rectangular honeycombed (6) centre section. The edges of the panel are formed in solid rigid **plastic** sections (4) and each edge has a pair of dove tailed profiled slots (8) . When **panels** to be joined are located either in line or perpendicular to each other the dovetailed grooves align. A tapered plug of a mating **profile** is pressed into the profiled grooves to form a secure **joint**. In this way the structure formed is rigid, but provides the possibility for re-use. A variety of configurations are possible with the one basic panel design.

27/30 © EPODOC / EPO

PN - [CN2491214Y](#) Y 20020515

PR - CN2001262430U 20010826

AP - CN2001262430U 20010826

DT - I

PA - NO 716 INST OF NO 7 I CHINA SH [CN]

TI - Cooling water tank for prodn. of plastic shaped **profile**

AB - The utility model relates to a cooling water tank for production of **plastic** shaped **profile**. The utility model comprises a tank body, a **profile** inlet and a **profile** outlet which are respectively arranged on covers of two ends of the tank, slots of shaping and molding boards are arranged in the inner surfaces of the two side **panels** of the tanker, a group of shaping and molding boards are parallelly arranged in the tanker through the slots of the shaping and molding boards which are positioned from the **profile** inlet to the **profile** outlet in the way of anterior density and post sparsity; the bottom of the tanker, the side **panels** and the slots of fixative moulding boards are cast in one piece. The utility model has excellent stealing performance, simple procedures of production and assembly, no **joint** problem, thereby enormously reducing the manufacture cost.

28/30 © EPODOC / EPO

PN - [CA2177116](#) A1 19971123

PNFP - CA2177116 C 20080212

PR - CA19962177116 19960522

AP - CA19962177116 19960522

DT - *

CCI - [F24F13/0236](#)

PA - (A1)
TALANA INVESTMENTS LIMITED [VG]
- (C)
DONNELLY WILLIAM JAMES [AU]

TI - (A1 C)
DUCT JOINER AND **RETAINING CLIP THEREFOR**

AB - (A1)
A duct joiner (11) for connecting an air duct to another duct or other part of an air conditioning **system** has a tubular neck portion (21), a **retaining clip** (31) and a sealing ring (36) both mounted on the neck portion. The **retaining clip** (31) has a

ring portion (32) received in a groove (22) in the outer surface of the neck portion (21) and a series of resilient teeth (33) extending outwardly from the ring portion (32). The teeth (33) are resiliently deformable to allow a hollow duct (41) to be fitted over the neck portion (21) and engage with the internal surface of the duct to retain the duct (41) on the neck portion (21) of the joiner (11). The sealing ring (36) has a ring section (37) received in another groove (22) in the outer surface of the neck portion (21) and a resilient skirt (38) which provides a seal between the neck portion (21) of the joiner and the duct (41). The joiner may have one or more other neck portions (21) with respective **retaining** clips (31) and sealing rings (36) for joining one duct to one or more other ducts. In other embodiments, the joiner may be provided with an air outlet portion such as a diffuser outlet (19).

-(C)

A duct joiner (11) for connecting an air duct to another duct or other part of an air conditioning **system** has a tubular neck portion (21), a **retaining clip** (31) and a sealing ring (36) both mounted on the neck portion. The **retaining clip** (31) has a ring portion (32) received in a groove (22) in the outer surface of the neck portion (21) and a series of resilient teeth (33) extending outwardly from the ring portion (32). The teeth (33) are resiliently deformable to allow a hollow duct (41) to be fitted over the neck portion (21) and engage with the internal surface of the duct to retain the duct (41) on the neck portion (21) of the joiner (11). The sealing ring (36) has a ring section (37) received in another groove (22) in the outer surface of the neck portion (21) and a resilient skirt (38) which provides a seal between the neck portion (21) of the joiner and the duct (41). The joiner may have one or more other neck portions (21) with respective **retaining** clips (31) and sealing rings (36) for joining one duct to one or more other ducts. In other embodiments, the joiner may be provided with an air outlet portion such as a diffuser outlet (19).

29/30 © EPODOC / EPO

PN - [AT384455B](#) B 19871125

PNFP - ATA183585 A 19870415

PR - AT19850001835 19850620

AP - AT19850001835 19850620

DT	-	*
CCI	-	E04B1/646
PA	- (A B)	MUHR ERNST DIPL ING [AT]
TI	-(B)	Process for retrospectively installing dampproofing courses against rising damp in masonry work, and arrangement for carrying out the process
AB	-(B)	The invention allows the retrospective installation of dampproofing courses against rising damp in masonry work, the dampproofing courses being formed by corrosion- resistant sealing panels, e.g. made of plastic. Through- bores with a diameter of approximately 30 to 40 mm are produced preferably at equal intervals in the wall-joint centre. The sealing panels are introduced by an arrangement which comprises two bolts 1 which are provided with mutually opposite longitudinal grooves and end grooves passing through the diameter and, in the longitudinal grooves of said bolts, a sealing panel 5 is fixed by adjusting rings 4 behind the cutting panel 2 resting in the end grooves. The rear ends of the bolts 1 are connected to one another by an impact element 3. As the bolts, the diameters of which are somewhat smaller than those of the bores, are driven in, they are guided in said bores. If, following the driving-in operation, the sealing panel 5 is in the correct position, the cutting panel 2 is removed and the bolts 1 are drawn out of the bores. As soon as sealing panels - which always project into the bores - are present on both sides of a bore, the relevant bore can be filled. Once all the bores have been filled, those parts of the panel borders which project out of the wall are connected to one another in a clamp-like manner by U-profile strips made of corrosion- resistant material. <IMAGE>

30/30 © EPODOC / EPO

PN - [WO2008108629](#) A2 20080912

PNFP - WO2008108629 A3 20081211

PR - NL20071033506 20070306

AP	- WO2008NL00053 20080221
DT	- *; Rep
CT	- EP ISR (A3) DE10001517 C1 20010719 [YD] (WAGNER JUERGEN [DE]) [YD] 1-3,5-14 * the whole document *; DE4014812 A1 19911114 [Y] (FISCHER ARTUR WERKE GMBH [DE]) [Y] 1 * figures 1,3 *; DE102004041120 A1 20060302 [A] (KNAPPE HORST [DE]) [A] 1 * figures 11,12 *; US5727355 A 19980317 [A] (MITCHELL RICHARD A [US]) [A] 1 * figures 3,4,7 *; DE3616896 A1 19871126 [Y] (DALDROP & DR ING HUBER GMBH & [DE]) [Y] 2,3,5-11 * column 5, lines 18-32; figure 6 *; XP000027304 A[A]; WO2004083545 A1 20040930 [A] (ALPROGETTI SRL [IT], et al) [A] 10,11 * figure 8 *; US2779979 A 19570205 [Y] (SUNDELIN RONALD R, et al) [Y] 12-14 * figures 3,4 *; WO2005031085 A1 20050407 [A] (COASTAL INNOVATIONS PTY LTD [AU], et al) [A] 12-14 * figures 1a,1b *
CTNP	- EP ISR (A3) [A] - WEIJERS N A, "SCHONE BEDRIJFSRUIMTE VOOR MEDISCHE APPARATUUR", BOUWWERELD, REED BUSINESS INFORMATION, DOETINCHEM, NL, (19890513), vol. 85, no. 10, ISSN 0026-5942, pages 16 - 19, XP000027304

[A] 2,3,5-11

* page 18; figure links *

CCI	- E04F13/0816 ; E04F13/0889
PA	- (A2 A3) WALRAVEN HOLDING BV J VAN [NL]; VAN WALRAVEN JAN [NL]
TI	- (A2 A3) FALSE WALL
AB	-(A2) A false wall in particular for sanitary spaces is placed at a distance from a rear wall. The false wall comprises a frame and one or more covering panels having a visible side and a back side that is connected to the frame. The frame comprises at least one base profile of C-shaped or U-shaped cross section, which base profile is positioned on a floor at a distance from the rear wall. A plastic profile is preferably arranged beneath the floor profile . Furthermore, the frame comprises a wall profile of C-shaped cross section, which wall profile is arranged substantially horizontally on a rear wall. A plurality of upright profiles extend substantially vertically upwards from the base profile and at a top end thereof are connected to the wall profile by means of a connecting part. On the back side, the covering panels are provided with one or more threaded rods extending in the direction of the rear wall, and each of the upright profiles has attached to it a clamping plate with an opening for the threaded rod to be fitted through and tightened by means of a nut or the like. A joint profile , which comprises a joint piece as well as sealing lips and a back strip is arranged between two adjacent covering panels . The joint profile is fixed by the back strip, in the assembled state, being clamped between the back side of at least one of the said adjacent covering panels and the upright profile . -(A3) A false wall in particular for sanitary spaces is placed at a distance from a rear wall. The false wall comprises a frame and one or more covering panels 1 having a visible side 12 and a back side 11 that is connected to the frame. The frame comprises at least one. base profile 5 of C-shaped or U-shaped cross section, which base profile is positioned on a floor at a distance from the rear wall. A plastic

profile is preferably arranged beneath the floor **profile**. Furthermore, the frame comprises a wall **profile** 7 of C-shaped cross section, which wall **profile** is arranged substantially horizontally on a rear wall. A plurality of upright profiles 9' extend substantially vertically upwards from the base **profile** and at a top end thereof are connected to the wall **profile** by means of a connecting part. On the back side, the covering **panels** are provided with one or more threaded rods 4 extending in the direction of the rear wall, and each of the upright profiles 9 has attached to it a clamping plate 30 with an opening for the threaded rod to be fitted through and tightened by means of a nut 31 or the like.