

1) Family number: 47486455 (US2010275529A)

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Title: MODULAR CRYPT

Abstract: A modular crypt structure comprising a frame, a module insert defining a chamber and a closure panel and methods of constructing the same are disclosed. The chamber functions as a crypt module and is adapted to receive bodily remains or portions thereof. The chamber is closed by attaching a closure panel, such as a stone crypt front to the frame, thereby encapsulating bodily remains. The modular crypt structure may comprise a plurality of chambers, thereby providing a plurality of crypt modules, and the frame may comprise a plurality of horizontal bars and a plurality of vertical bars. A method of constructing a modular crypt structure comprises erecting a frame, providing at least one module insert, configuring the insert to define a chamber adapted to receive bodily remains, and closing the crypt module.

Classifications:

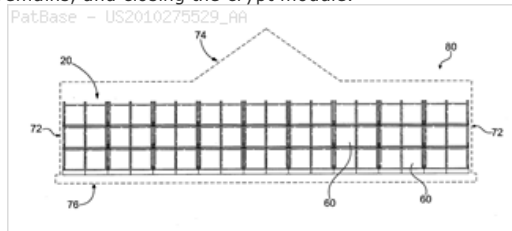
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A61G99/00 E04B1/00 E04B1/19 E04B1/24 E04B1/348 E04G21/00
E04H1/00 E04H13/00 (Advanced/Invention);

A61G17/00 A61G99/00 E04H13/00 (Core/Invention)

CPC: E04H13/006 E04B1/34807 E04H1/005 E04B1/19 E04B1/24
E04B2001/2481

European: E04H13/00D

US: 1/1 27/1 27/1S 52/134 52/134P 52/136 52/136P 52/136S
52/741.4 52/741.400S 52/745.01 52/745.010S 52/745.02

**Family:**

Publication number	Publication date	Application number	Application date
CA2702682 AA	20101030	CA20102702682	20100428
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CA2762740 AA	20120710	CA20112762740	20111223
CA2762740 C	20190129	CA20112762740	20111223
CA3028096 AA	20120710	CA20113028096	20111223
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MX339719 B	20160607	MX20100004649	20100428
MX340781 B	20160726	MX20120000479	20120109
US2010275529 AA	20101104	US20100762645	20100419
US2011154748 AA	20110630	US20110987407	20110110
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US2016251871 AA	20160901	US20160010059	20160129
US2017089091 AA	20170330	US20160284117	20161003
US2018305949 AA	20181025	US20180921449	20180314
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Priority:

US20090174058P 20090430	US20100762645 20100419	CA20102702682 20100428
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CA20192762740 20190104		

Probable Assignee: MATTHEWS INT CORP

Assignee(s): (std): BRIDGEMAN KENNETH B ; BRIDGEMAN KENNT B ; MATTHEWS INT CORP ; MATTHEWS RESOURCES INC ; YOUNG CHARLES T

Inventor(s): (std): YOUNG CHARLES T ; BRIDGEMAN KENNETH B ; BRIDGEMAN KENNETH B ; KENNETH B BRIDGEMAN ; CHARLES T YOUNG ; BRIDGEMAN KENNT B

Agent(s): BORDEN LADNER GERVAIS LLP; METHOD LAW PROFESSIONAL CORP; WEBB LAW FIRM PC; PEPPER HAMILTON LLP

2) Family number: 43198191 (US2009107065A)

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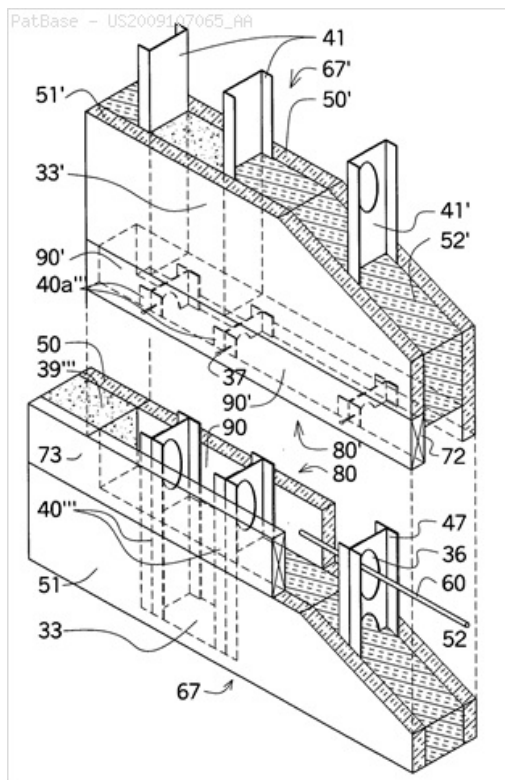
Title: BUILDING CONSTRUCTION FOR FORMING COLUMNS AND BEAMS WITHIN A WALL MOLD

Abstract: The present invention relates to an improved wall system where a wall form mold has a structural insulated core assembled to form a structural insulated panel (SIP) to form a concrete beam and concrete column to be poured anywhere within the wall as well as between building modules when placed together and erected vertically. The interlocking wall molds interlock within the wall as well as between panels and modules. The wall panels allow concrete columns and beams to be formed in any size and shape. The structural insulated core consists of interlocking foam spacers and support channels which can be glued or screwed together to form an independent wall or as part of a precast wall with columns and beams integrated within the wall panels. Insulated flanges within the wall forming mold separates the wall forming structure from the wall surfaces.

Classifications:

International (IPC 8-9): E04B E04B1/00 E04B1/16 E04B1/18
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E04B2/84 E04B2/86 E04C1/42 E04C2/10 E04C2/20 E04C2/52
E04C3/07 E04C3/09 E04C3/11 E04G11/06 E04G9/00
E04H12/10 (Advanced/Invention);

E04B1/38 E04B2/86 E04C3/04 (Advanced/Non-invention);
E04B1/18 E04B2/04 E04G11/00 E04G9/00 (Core/Invention)
CPC: E04B1/164 E04B2/7412 E04B1/80 E04B2/58 E04B1/14
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European: E04B1/14 E04B1/16C E04B1/16D E04B1/80 E04B2/58
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US: 249/19 249/192 249/192S 249/19S 52/220.1 52/220.100P
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52/309.11 52/309.12 52/309.4 52/309.400S 52/426 52/426P
52/426S 52/439 52/439P 52/479 52/479S 52/506.05 52/506.050P
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Family:

Publication number	Publication date	Application number	Application date
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IN00351MN2011 A	20110826	IN2011MN00351	20110223
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Priority:

US20070000112P	20071024	US20080137224P	20080729	US20080231875	20080908
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Probable Assignee: LEBLAND DENNIS

Assignee(s): (std): LEBLAND DENNIS ; LEBLANG DENNIS WILLIAM ; LEBLANG DENNIS

Assignee(s): DENNIS LEBLANG

Inventor(s): (std): LEBLANG DENNIS ; LEBLANG DENNIS WILLIAM

Inventor(s): DENNIS LEBLANG

Agent(s): BAXTER IP; BAXTER PATENT ATTORNEYS PTY LTD; CREATEIP; MBM INTELLECTUAL PROPERTY LAW

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

3) Family number: 29432254 (US5371990A)

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Title: Element based foam and concrete modular wall construction and method and apparatus therefor

Abstract: A bond beam Channel structure and Pilaster Channel structure for use in forming wall structures of blocks are provided. Each Channel structure comprises a pair of Channel members. A plurality of elongated ties connect the two Channel members together, defining a space therebetween. The space allows concrete to be poured between the Channel members, providing structural integrity to the wall structure. Each tie includes a slot configured to receive at least one rebar in a position substantially transverse to the tie, for providing additional structural integrity to the wall structure.

Classifications:

International (IPC 8-9): E04B1/16 E04B1/18 E04B1/35 E04B2/68 E04B2/84 E04B2/86 (Advanced/Invention); E04B1/18 E04B1/35 E04B2/84 E04B2/86 (Advanced/Non-invention); E04B1/18 E04B1/35 E04B2/64 E04B2/84 (Core/Invention); E04B (Subclass/Invention)

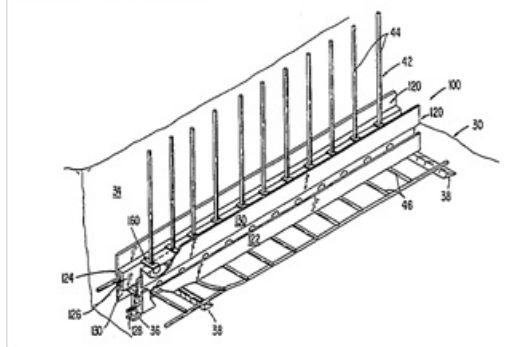
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CPC: E04B1/163 E04B2/8652

European: E04B1/16B P04B2/86J

US: 52/251 52/252 52/379 52/745.09

PatBase - US5371990_A



Family:

Publication number	Publication date	Application number	Application date
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CZ9500364 A3	19960117	CZ19950000364	19930810
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JP8500161 T2	19960109	JP19940506336T	19930810
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RU2136821 C1	19990910	RU19950108519	19930810
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SK19395 A3	19950711	SK19950000193	19930810
US5371990 A	19941213	US19920928268	19920811
US5697196 A	19971216	US19960654770	19960529
VN791 A1	19990325	VN19950001030	19950211
WO9404768 A1	19940303	WO1993US07445	19930810

Priority:

US19920928268 19920811 WO1993US07445 19930810 US19940275672 19940715
US19960654770 19960529

Probable Assignee: SALAHUDDIN FAREED M

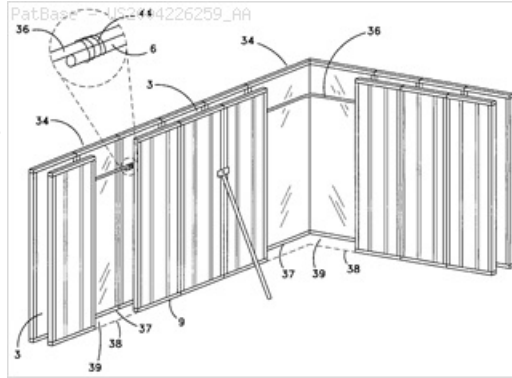
Assignee(s): (std): SALAHUDDIN ; SALAHUDDIN FAREED M ; SALAHUDDIN FAREED M MARLBORO ; SALAHUDDIN FAREED M MARLBORO NEW JERSEY ; UNIQUE DEV CORP ; FARID M SALAKHJUDDIN ; UNIQUE DEVELOPMENT CORP

Assignee(s): FARID MSALAKHJUDDIN ; SALAHUDDIN FAREED M ONE EATON COURT MARLBORO NJ ; FAREED M SALAHUDDIN

Inventor(s): (std): FARID M SALAKHJUDDIN ; SALAHUDDIN FAREED M ; FAREED M SALAHUDDIN ; FARID MSALAKHJUDDIN

Agent(s): GRIFFITH HACK; KIRBY EADES GALE BAKER

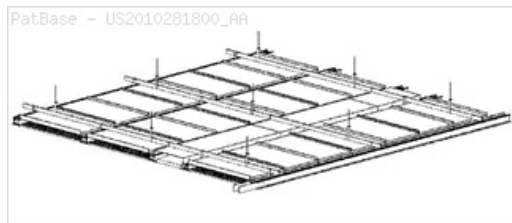
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Title: SYSTEM FOR THE PLACEMENT OF MODULAR FILL MATERIAL FORMING CO-JOINED ASSEMBLIES**Abstract:** A system for the placement of modular fill material forming co-joined assemblies that promotes increased efficiency in fill material building methods by utilizing the capabilities of aerial conveyance devices, the pre-assembly of forms, the rapid bracing of forms, and the sequential placement of enclosure forms.**Classifications:****International (IPC 8-9):** E04B2/26 E04B2/84 E04B2/86 E04C2/00 E04C2/54 E04G11/06 E04G21/14 E04G9/00 (Advanced/Invention); E04G21/14 (Advanced/Non-invention); E04C (Subclass/Invention)**International (IPC 1-7):** E04C2/00 E04C2/54**CPC:** E04G21/167 B66C1/66 E04B2/8647 E04B2/8652 E04B2002/867 E04B2002/8688 E04B2002/8694 E04C2/044 E04C2/20 E04G21/142 E04G21/26**European:** B66C1/66 E04B2/86H E04B2/86J E04C2/04D E04C2/20 E04G21/14B E04G21/26 P04B2/86P P04B2/86S P04B2/86T P04G21/14B**US:** 52/127.1 52/127.2 52/434 52/742.13 52/742.14 52/745.13 52/782.1 52/782.100S 52/783.1 52/783.100P**Family:**

Publication number	Publication date	Application number	Application date
AU2005274850 AA	20060223	AU20050274850	20050715
CA2576968 AA	20070212	CA20052576968	20050715
CN101072920 A	20071114	CN200580030434	20050715
CN101072920 B	20100929	CN200580030434	20050715
EP1794386 A2	20070613	EP20050777467	20050715
JP2008506869 T2	20080306	JP20070521701T	20050715
US2004226259 AA	20041118	US20040893593	20040715
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US2012222384 AA	20120906	US20120473402	20120516
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US8522506 BB	20130903	US20120473402	20120516
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ZA200701356 A	20080730	ZA20070001356	20070215

Priority:

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US20070572203 20070116 US20120473402 20120516

Probable Assignee: THERMOFORMED BLOCK CORP**Assignee(s):** (std): BARNET BRADLEY J ; BARNET ROBERT T ; DWORKES DONALD H ; THERMOFORMED BLOCK CORP**Inventor(s):** (std): BARNET ROBERT T ; BARNET BRADLEY J ; DWORKES DONALD H ; BARNET ROBERT T BARNET BRADLEY ; ROBERT T BARNET ; DONALD H DWORKES ; BRADLEY J BARNET**Inventor(s):** BARNET BRADLEY ; BARNET ROBERT ; DWORKES DONALD**Agent(s):** FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; BARRIGAR INTELLECTUAL PROPERTY LAW; SANTANGELO LAW OFFICES PC**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 KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW**Title:** WATERPROOF CEILING WITH MULTIPLE TYPES OF STRUCTURES**Abstract:** Disclosed herein is a waterproof ceiling with multiple types of structures. The waterproof ceiling includes a hanger unit secured at an upper end thereof to a ceiling wall or the waterproof ceiling and placed perpendicularly to a ground to support load on a lower end. A carrying channel is connected to the lower end of the hanger unit and placed parallel to the ground so as to be at right angles with the hanger unit. A drain module bar is connected and secured to a predetermined portion on the carrying channel and forms a predetermined angle with the ground to create a flow passage for leaked water. A waterproof panel is fitted to each of both sides of the drain module bar, thus closing a space between drain module bars. A water collecting pipe is provided vertically on an end of the drain module bar, thus collecting the leaked water and discharging the water to the outside. The hanger unit is connected to the lower end of the drain module bar to support an additional load.**Classifications:****International (IPC 8-9):** E04B1/70 E04B9/00 E04B9/02 E04B9/04 E04B9/06 E04B9/16 (Advanced/Invention); E04B9/00 E04B9/04 E04B9/06 (Advanced/Non-invention)**International (IPC 1-7):** E04B9/00**CPC:** E04B9/006 E04B9/023 E04B9/16 E04B9/00**European:** E04B9/00 E04B9/00D E04B9/02A E04B9/16**US:** 52/302.1 52/302.100P 52/302.3**Family:**

Publication number	Publication date	Application number	Application date
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EP2253766 A2	20101124	EP20090164188	20090630
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IN00158DE2010 A	20101119	IN2010DE00158	20100127
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KR101079376 B1	20111102	KR20090040637	20090511
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Priority:

KR20090040637 20090511 EP20090164188 20090630

Probable Assignee: JIN YUANJIE

Assignee(s): (std): JIN YUANJIE ; KEOL KIM WON ; KIM WON KEOL

Assignee(s): KIM WON KEOL GOYANG SI

Inventor(s): (std): KIM WON KEOL ; KEOL KIM WON

Agent(s): BUBLAK WOLFGANG; LANG JOHANNES; FORTEA JUAN JOSE; LUCAS AND MERCANTI LLP

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

6) Family number: 30498118 (US2004134162A)

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Title: MODULAR STRUCTURE FOR BUILDING PANELS AND METHODS OF MAKING AND USING SAME

Abstract: The present invention is a polymeric panel system and method for production and use thereof, enabling the rapid construction of a building foundation wall or other structure and in particular a below-grade foundation. The polymeric foundation system includes polymeric wall panels and other components suitable for withstanding lateral and end compression loads. The walls include two parallel faces separated by a series of webs or ribs, where the webs and faces of the wall panels may be formed of a similar polymer material such as polyvinylchloride (PVC). The wall panels and/or other components may be extruded so as to enable the rapid production of sections of wall panels, where the panels may be cut to length and then affixed to adjacent panels to form a foundation wall. The method of affixing adjacent panels may include welding, gluing or other techniques and may be performed on the job site or in a pre-fabrication facility. Furthermore, the wall panels may be co-extruded with an insulating material inserted in the voids between the parallel faces so as to provide improved thermal performance of the foundation as well.

Classifications:

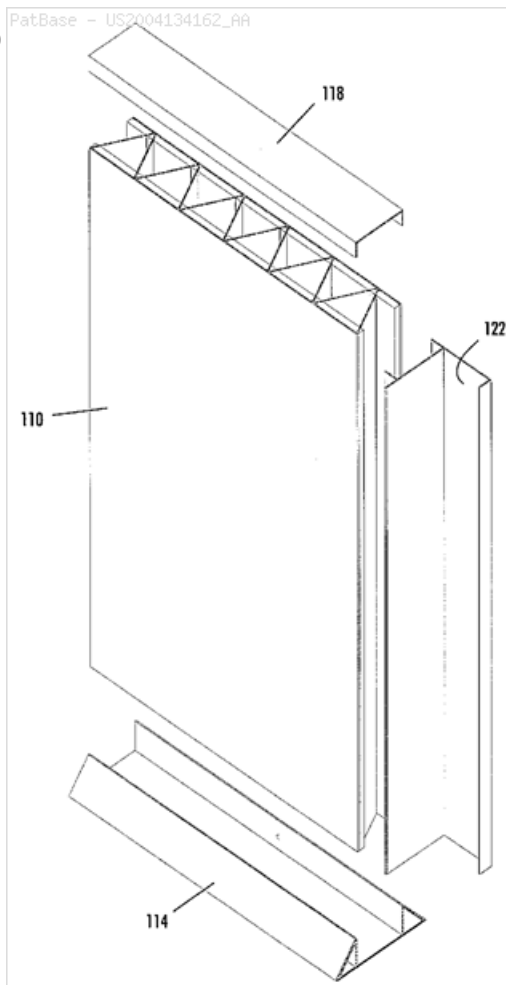
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US: 52/270 52/292 52/292S 52/293.3 52/300 52/300P 52/741.1 52/741.100P 52/741.3 52/741.300P 52/745.13 52/745.130P



Family:

Publication number	Publication date	Application number	Application date
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US2008307747 AA	20081218	US20080123616	20080520
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Priority:

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US20060552137 20061023 US20060554179 20061030 US20080123616 20080520

Probable Assignee: DOUGLAS ROBERT B

Assignee(s): (std): DOUGLAS ROBERT B

Inventor(s): (std): DOUGLAS ROBERT B ; ROBERT B DOUGLAS

Inventor(s): DOUGLAS ROBERT

Agent(s): SIM AND MCBURNEY; BASCH AND NICKERSON LLP; DUANE C

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE 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 LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

7) Family number: 42380056 (US2010065108A)

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Title: METHOD AND APPARATUS FOR FORMING AND MOUNTING A PHOTOVOLTAIC ARRAY

Abstract: A photovoltaic (PV) module framing and coupling system enables the attachment of PV modules to a roof or other mounting surface without requiring the use of separate structural support members which attach directly to and span between multiple PV modules in a formed PV array. The inventive apparatus provides a one-piece coupling for interlocking the sides of PV modules together to form an array, resulting in a parallel beam support system. The inventive coupling member attaches to the frame at substantially any position along the length of the frame, and interlocks the photovoltaic module with adjacent photovoltaic modules. The inventive apparatus further includes a novel bracket member which attaches to a surface of the frame member and secures the frame member directly to a roof or other mounting surface.

Classifications:

International (ipc 8-9): E04B1/00 E04D1/12 E04D13/18 E04G21/00 E04H14/00 F16B1/00 F16B17/00 F16B5/00 F16B5/02 F16B5/10 F16B5/12 F16D1/12 F16L3/04 F16L3/10 F16M13/00 F16M13/02 F24J2/46 F24J2/52 F24S25/33 F24S25/613 F24S25/632 F24S25/636 F24S25/65 F24S25/70 H01L H01L23/12 H01L31/02 H01L31/0203 H01L31/04 H01L31/042 H01L31/046 H01L31/048 H01L31/05 H01L31/18 H01M10/44 H01R13/73 H02G3/32 H02S20/00 H02S20/10 H02S20/23 H02S20/24 H02S20/30 H02S30/10 H02S40/30 (Advanced/Invention); F24J2/46 F24S25/00 (Advanced/Non-invention); E04G21/00 F24J2/00 H01L31/042 H01L31/048 H01M10/42 (Core/Invention); H01L (Subclass/Invention)

International (ipc 1-7): H01M10/44

CPC: F16B7/0433 F16B5/10 H01L31/0482 H01L31/0484 F16B5/12 Y10T403/44 E04D1/12 F16M13/022 Y10T403/553 F16B5/0004 H02G3/32 H01R9/2416 H01L31/0508 H01L31/046 H02S30/00 Y10T403/70 H01L31/042 F16L3/04 F16L3/1058 H02S20/20 Y10T29/49876 Y10T403/32975 Y10T403/38 F24S2025/6004 F24S2025/6008 F24S2025/804 F16B5/0084 F16B21/02 Y02B10/14 F24S25/10 F24S25/632 F24S25/636 F24S25/65 F24S2025/6006 F24S2025/807 F24S25/33 F24S25/634 F24S2025/801 F24S25/617 F16B1/00 H01L31/18 Y02B10/20 H02S20/00 H01L31/0488 F24S25/16 F24S25/20 F24S25/61 F24S25/613 F24S25/67 F24S25/70 F24S2025/02 H01L31/048 H02S20/23 H02S20/24 Y02B10/12 Y02E10/47 Y02E10/50 Y10T29/49826 Y10T403/32606 F16B5/0216 H02S20/30 H02S30/10

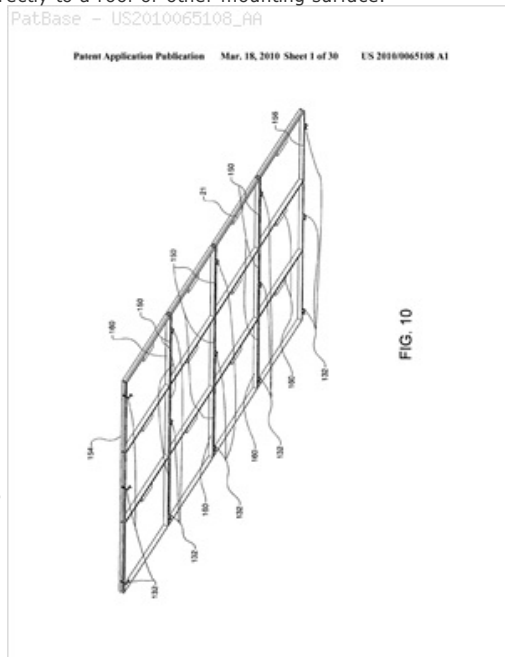
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Locarno class: 08/08

Family:

Publication number	Publication date	Application number	Application date
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US20170592828F	20170202	US20170431620	20170213	US20180866116	20180109

Probable Assignee: SOLARCITY CORP

Assignee(s): (std): JOHN R WEST ; HANS CHRISTOPH HAENLEIN ; MANSALA CHRISTAIN C ; HAENLEIN HANS CHRISTOPHER ; HAENLEIN HANS CRISTOPH ; JOHANSEN EMIL ; HUDSON TYRUS HAWKES ; HUDSON TYRUS ; WEST JOHN R ; ZEP SOLAR INC ; ZAP SOLAR INC ; ZEP SOLAR LLC ; SOLARCITY CORP ; WEST JOHN RAYMOND ; WEST BRIAN ; YOUNANS DAVID ; ZEP SOAR INC ; WEST JACK RAYMOND ; ALCHLEY BRIAN ; APPLE INC ; ATCHLEY BRIAN ; CHRISTINA C MANANSALA ; COLEMAN NATHANIEL TAYLOR ; GRUBER PETER EDWARD ; HAENLEIN HANS CHRISTOPH ; MANANSALA CHRISTINA C

Assignee(s): MANANSALA CHRISTINA C ; HAENLEIN HANS CHRISTOPH ; HIGH SUN TECHNOLOGY INC ; SOLARCITY CORP SAN MATEO

Inventor(s): (std): BRIAN WEST ; YOUNANS DAVID ; WEST JOHN RAYMOND ; WEST JACK RAYMOND ; WEST BRIAN ; JOHANSEN EMIL ; HUDSON TYRUS HAWKES ; HUDSON TYRUS ; HAENLEIN HANS CRISTOPH ; GRUBER PETER EDWARD ; COLEMAN NATHANIEL TAYLOR ; ATCHLEY BRIAN ; ALCHLEY BRIAN ; WEST JOHN R ; MANANSALA CHRISTINA C ; HAENLEIN HANS CHRISTOPH ; COLEMAN NATHANIEL ; HAENLEIN HANS CHRISTOPHER ; MANSALA CHRISTAIN C ; HANS CHRISTOPH HAENLEIN ; CHRISTINA C MANANSALA ; JOHN R WEST

Inventor(s): JOHN RWEST ; WEST JOHN ; MANANSALA CHRISTINA ; WEST JOHN R SAN RAFAEL

Agent(s): CHRISTIANSEN JOHN; JOHN CHRISTIANSEN; FPA PATENT ATTORNEYS PTY LTD; FREEHILLS PATENT ATTORNEYS; MARKS AND CLERK; GOWLING WLG CANADA LLP; CHAILLOT GENEVIEVE; HOWSON RICHARD GB; HOWSON RICHARD GILES BENTHAM; INABA YOSHIYUKI; LARRY D JOHNSON; VIERRA MAGEN MARCUS AND DENIRO LLP; LARRY D; KILPATRICK TOWNSEND AND STOCKON LLP; KILPATRICK TOWNSEND AND STOCKTON LLP; KILPATRICK TOSENSEND AND STOCKTON LLP; STERNE KESSLER GOLDSTEIN AND FOX PLLC; JOHNSON LARRY D; MARCUS BRIAN I

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

end wall modules bolted together along adjacent edges and to the ends of the connected side wall modules form the peripheral frame wall. Diagonal bracing is built into selected side and end wall modules as required for the desired degree of wind resistance. Trusses made of various size tube such as 2x3 inch rectangular steel tubing for supporting a roof on the peripheral wall, are assembled and welded in a welding shop and the prefabricated trusses and wall modules are trucked to the building site. Multiple stories may be erected and fastened together, and the building frame is secured to a foundation or slab by attaching to anchor bolts or plates.

Classifications:

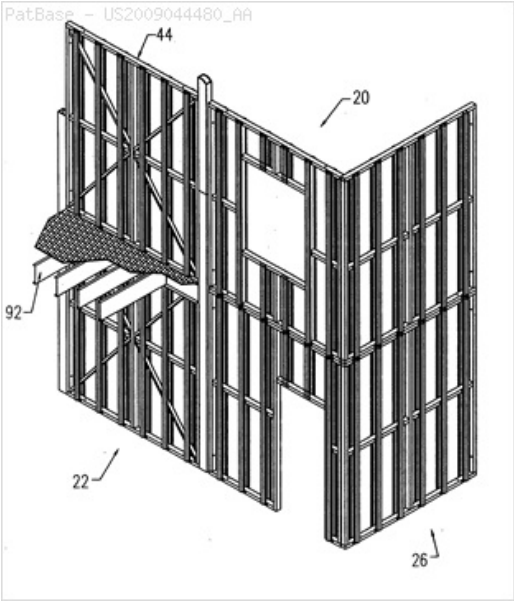
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International (IPC 1-7): E04B1/00 E04G21/00 E04H12/00

CPC: E04B1/08 E04B5/40 E04B1/34321 E04B1/3483

European: E04B1/08 E04B5/40

US: 52/414 52/650.1 52/650.100S 52/653 52/653.2 52/653.200P 52/745.05 52/745.050S 52/843 52/843S



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20070901993P 20070216 US20080224631 20080215 WO2008US02023 20080215

Probable Assignee: INTER STEEL STRUCTURES INC

Assignee(s): (std): INTER STEEL STRUCTURES INC ; INTERSTEEL STRUCTURES INC ; ISSI HOLDING COMPANY LLC ; ISSI HOLDING CO LLC ; BONDS DELTON J ; ISSI HOLDING COMPANY INC

Assignee(s): ISSI HOLDING CO INC ; ELLECI SPA ; ISSI HOLDING CO

Inventor(s): (std): BONDS DELTON J

Inventor(s): DELTON J BONDS ; BONDS DELTON

Agent(s): MIDDLETONS; K AND L GATES; BORDEN LADNER GERVAIS LLP; MARGARITA CASTELLANOS ABONDANO; J MICHAEL NEARY; J MICHAEL; CONG TY TNHH BAN CA; NEARY J MICHAEL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

9) Family number: 28993882 (US2003155083A)

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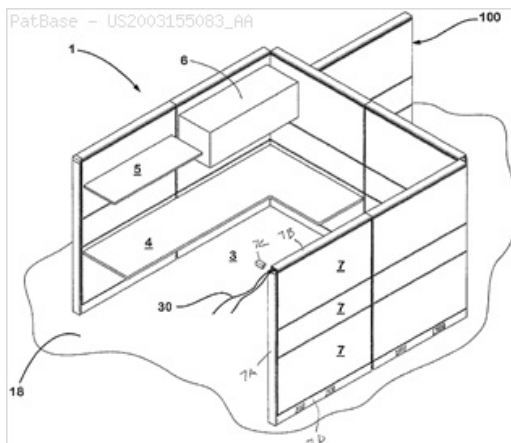
Title: Panel system

Abstract: An office panel partition includes a panel frame having at least two uprights and a horizontal structural member rigidly interconnecting the uprights. The panel frame has a first side and a second opposite side, and the panel frame defines at least four apertures on the first side thereof. The partition also includes a cover member having a major planar surface defining an exterior surface of the partition. The cover member includes at least four projections that are removably insertable into the at least four apertures to removably secure the cover member to the frame. The apertures are arranged in at least two vertically spaced horizontal rows and at least two horizontally spaced vertical columns. The apertures in a first one of the columns have different horizontal dimensions than those of the apertures located in the other of the columns. Each of the projections has a range of lateral positions when inserted into a respective one of the apertures. The range of lateral positions provided by the apertures in the first one of the columns is less than the range of lateral positions provided by the apertures in the other row of the columns. The apertures located in a first one of the rows has vertical dimensions that are different than those located in the other of the rows. The range of vertical positions provided by the apertures in the first one of the rows is less than the range of vertical positions provided by the apertures in the other of the rows.

Classifications:

International (IPC 8-9): E04B2/74 E04B2/76 E04C2/52 E04H1/00 (Advanced/Invention)

International (IPC 1-7): A47F10/00 A47G5/00 E04B2/74 E04B2/76 E04C2/52 E04H1/00 E04H14/00 E04H3/00 E04H5/00 E04H6/00
CPC: E04B2/7425 E04B2002/7418 E04B2002/7446 E04B2002/7462 E04B2002/7483 E04B2002/7487 E04B2002/7488 E04B2002/749
European: E04B2/74C3D2 P04B2/74C3A P04B2/74C3P P04B2/74F2 P04B2/74P P04B2/74Q P04B2/74R P04B2/74S
US: 160/135 160/351 52/220.7 52/220.700S 52/239 52/239P 52/242 52/242S 52/243 52/293.3 52/36.1 52/36.100P 522/390



Family:

Publication number	Publication date	Application number	Application date
AU2003219750 AA	20030909	AU20030219750	20030212
AU2003219750 AH	20030909	AU20030219750	20030212
CA2476310 AA	20040812	CA20032476310	20030212
EP1482822 A2	20041208	EP20030716023	20030212
JP2005517841 T2	20050616	JP20030569929T	20030212
US2003155083 AA	20030821	US20020077553	20020215
US2004020137 AA	20040205	US20030367249	20030214
US2004154756 AA	20040812	US20040770368	20040202
US2006236625 AA	20061026	US20060438346	20060522
US6684929 BB	20040203	US20020077553	20020215
US7051482 BB	20060530	US20040770368	20040202
US7461484 BB	20081209	US20030367249	20030214
WO03071045 A2	20030828	WO2003US04345	20030212
WO03071045 A3	20040401	WO2003US04345	20030212

Priority:

US20020077553 20020215 WO2003US04345 20030212 US20030367249 20030214
US20040770368 20040202 US20060438346 20060522

Probable Assignee: STEELCASE INC

Assignee(s): (std): HUBBARD DEAN K ; JEFFERS ROBERT E ; MACDONALD DOUGLAS B ; SANDERS STEVEN E ; SLAGER MARK T ; STEELCASE DEV CORP ; STEELCASE DEVELOPMENT CORP ; STEELCASE INC ; BATTEY DAVID J ; FINK ROY W ; HAGER ALLEN C ; THRONSET STEVEN J

Assignee(s): ROBERTS MICAH E ; MCCOLLEY GAYLAN M ; PELMAN TODD ; OLIVERA F JAVIER ; PALERMO WILLIAM H ; MEAD KARL J ; HAND RICHARD SCOTT ; KELLEY MICHAEL P ; HOEKSTRA JOSHUA W

Inventor(s): (std): MACDONALD DOUGLAS B ; JEFFERS ROBERT E ; KELLEY MICHAEL P ; MCCOLLEY GAYLAN M ; MEAD KARL J ; OLIVERA F JAVIER ; PALERMO WILLIAM H ; PELMAN TODD ; ROBERTS MICAH E ; ROBERT E JEFFERS ; MARK T SLAGER ; ROY W FINK ; OLIVERA F JAVIER ; BATTEY DAVID J ; DEAN K HUBBARD ; DAVID J BATTEY ; DOUGLAS B MACDONALD ; HUBBARD DEAN K ; FINK ROY W ; HAGER ALLEN C ; HAND RICHARD SCOTT ; HOEKSTRA JOSHUA W ; SANDERS STEVEN E ; SLAGER MARK T ; THRONSET STEVEN J ; STEVEN J THRONSET ; STEVEN E SANDERS ; ALLEN C HAGER

Inventor(s): BATTEY DAVID ; SLAGER MARK ; THRONSET STEVEN ; FINK ROY ; HAGER ALLEN ; HUBBARD DEAN ; MACDONALD DOUGLAS ; JEFFERS ROBERT ; SANDERS STEVEN

Agent(s): BORDEN LADNER GERVAIS LLP; PRICE HENEVELD COOPER DEWITT AND LITTON LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE 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 NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

10) Family number: 58867298 (US2016237683A)

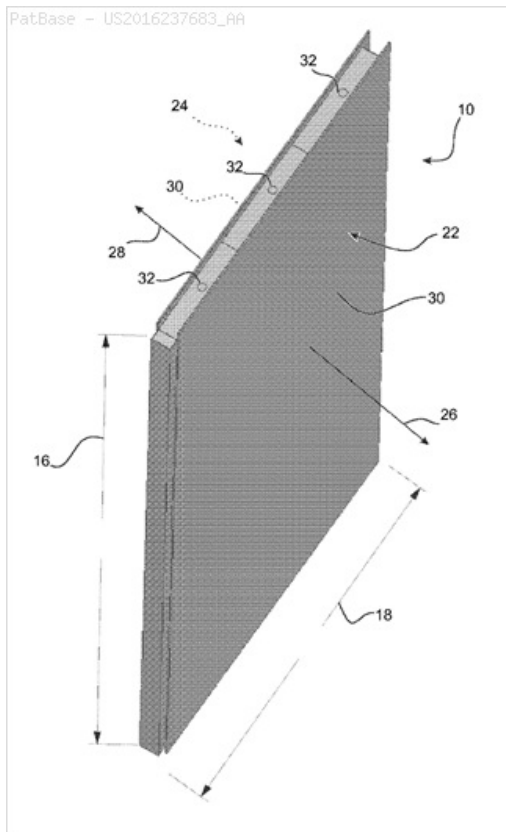
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Title: BUILDING PANELS - SYSTEMS COMPONENTS AND METHODS

Abstract: A modular building panel (10) for use in forming walls. The panel comprises: an inner foam core (36) and a frame (112) surrounding the inner foam (5) core (36). The frame (112) is provided for standing upright to provide two primary faces (18) joined by a number of side portions (20). The side portions (20) of the frame (12) are provided by structural channel members (42). The structural channel members (42) provide a perimeter around the foam core (36). The structural channel members (42) providing flange portions (96) to allow rigid connection of the panel (10) using fasteners extending through the primary faces (18) into the flange portions (98) to provide the panel with a desirable cyclone rating.

Classifications:

International (IPC 8-9): E04B1/90 E04B1/92 E04B1/94 E04B2/00 E04B2/08 E04B2/58 E04B2/62 E04B2/72 E04C2/284 E04C2/34 E04C2/38 E04H9/14 E04H9/16 (Advanced/Invention)
CPC: E04C2/292 E04H9/14 E04B2001/3583 E04B1/14 E04C2/46 E04C2/34 E04C2/284 E04B1/92 E04B1/942 E04B1/90 E04C2002/3488 E04C2/384 Y02A50/14
US: 1/1 52/204.1

**Family:**

Publication number	Publication date	Application number	Application date
AU2013234383 AA	20150409	AU20130234383	20130926
AU2014328484 AA	20160512	AU20140328484	20140926
AU2019200468 AA	20190207	AU20190200468	20190123
ID201709559 A	20170901	ID2016P0002793	20140926
US2016237683 AA	20160818	US20140024892	20140926
WO15042665 A1	20150402	WO2014AU50250	20140926

Priority:

AU20130234383 20130926	AU20130903737 20130927	AU20130903752 20130927
AU20130903929 20131012	AU20140328484 20140926	WO2014AU50250 20140926
AU20190200468 20190123		

Probable Assignee: AUSSIB GROUPS PTY LTD**Assignee(s):** (std): AUSSIB GROUPS PTY LTD**Inventor(s):** (std): HUSIN ALI ANTON**Agent(s):** ADAM LAW PATENT AND TRADE MARK ATTORNEY; PARDOMUAN OLOAN LUBIS; LAW ADAM

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 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

11) Family number: 61767090 (WO17076074A1)

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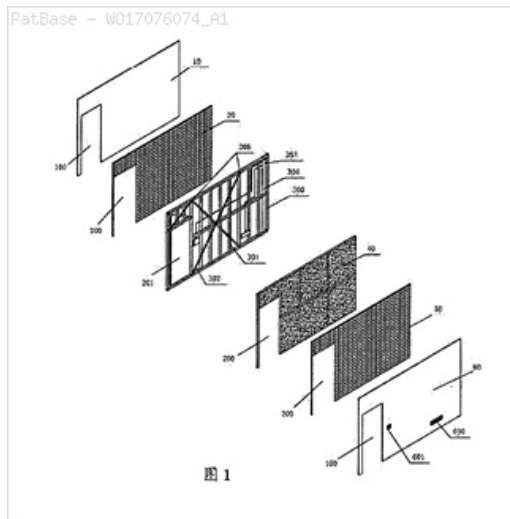
Title: MODULAR INTERIOR PARTITION WALL PANEL

Abstract: Provided is a modular interior partition wall panel, comprising, from outside to inside in sequence, an outside glass magnesium board (10), an outside wire mesh (20), a main body frame (30), a foam concrete slab (40), an inside wire mesh (50), and an inside glass magnesium board (60). Foam concrete is poured into the main body frame (30) to form an integral unit with the foam concrete slab (40); the main body frame (30) is integrated with electrical cable tubing (303) and a water pipe (304). The wall panel is very environmentally friendly and has good integrity and recyclability.

Classifications:**International (IPC 8-9):** E04C2/288 E04C2/38

E04C2/52 (Advanced/Invention)

CPC: E04C2/38 E04C2/52 E04C2/049 E04C2/06

**Family:**

Publication number	Publication date	Application number	Application date
■ CN105369978 A	20160302	CN201510752205	20151106
■ CN105369978 B	20180921	CN201510752205	20151106
■ CN205224408 U	20160511	CN201520883742U	20151106
■ DE212016000203 U1	20180621	DE201621000203U	20160727
■ JP3218531 U	20181025	JP20180600057U	20160727
■ WO17076074 A1	20170511	WO2016C091815	20160727

Priority:

CN201510752205 20151106 CN201520883742U 20151106 WO2016C091815 20160727

Probable Assignee: CHINA CONSTRUCTION STEEL STRUCTURE CORP LTD

Assignee(s): (std): CHINA CONSTRUCTION STEEL STRUCTURE CORP LTD

Assignee(s): CHINA CONSTRUCTION STEEL STRUCTURE CORPLTD ; CONSTRUCTION STEEL STRUCTURE CO LTD ; CHINA CONSTRUCTION STEEL STRUCTURE CORP

Inventor(s): (std): SUN WEI ; SUN HAO ; LYU HUANGBING ; YAO XIAODONG ; HU ZHAOHUI ; SU JUNYAN ; WANG CHAOYANG ; LI MINGWEI ; CHEN YANZHOU ; NING WENFENG ; LV HUANGBING

Agent(s): HENSEN INTELLECTUAL PROPERTY FIRM

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 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

12) Family number: 72078410 (US2018340331A)

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Title: WEATHER RESISTANT TEMPORARY WALL SYSTEM AND METHOD

Abstract: A weather resistant temporary wall system and method useful for forming a temporary barrier during building construction or renovation includes a series of modular wall panels that may be removably fit together in the size needed. The wall panels have complimentary shaped edge profiles that form a protective barrier against water penetration. The wall panels may be assembled on site in vertically stacked relationship between a pair of support posts which extend from floor to ceiling. The side edges of the wall panels have edge profiles that are complimentary in shape to the side edges of the support posts such that the panels may be removably attached to the support posts. The wall panels may further include a string reinforced polyethylene material for increased strength.

Classifications:

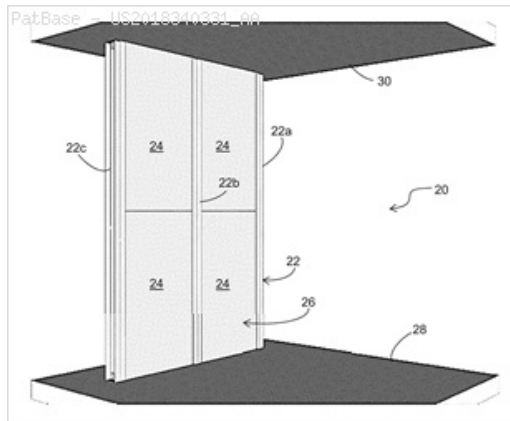
International (IPC 8-9): E04B2/74 E04B2/78

E04G21/26 (Advanced/Invention)

CPC: E04B2/7453 E04B2/82 E04B2/7836 E04B2002/7461 E04G21/28

E04G21/242 E04G21/26

US: 1/1 52/220.7

**Family:**

Publication number	Publication date	Application number	Application date
■ US2018340331 AA	20181129	US20180991461	20180529

Priority:

US20170511722P 20170526 US20180991461 20180529

Probable Assignee: DURAFRAME LLC
Assignee(s): (std): DURAFRAME LLC
Inventor(s): (std): STROYER KURT ; STROYER GLENN ; CONGDON DOUGLAS

13) Family number: 67839820 (US2019186129A) © PatBase

Title: MODULAR AND REUSABLE TEMPORARY CONSTRUCTION WALL

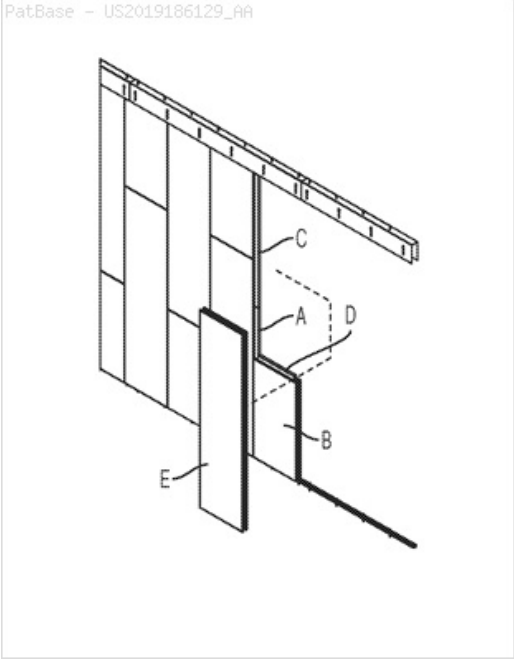
Abstract: A modular, reusable temporary enclosure system is particularly suited for the renovation of buildings having stacked concrete floors supported by steel and/or concrete columns. The system consists of a set of track components, one fastened to the floor, and one fastened to the ceiling. Columns assembled from rigid panels are supported and aligned between these components. The panel edges are connected to one another by an interfacing spline assembly. To ensure that the components can be brought up to the construction site by elevator, individual panels are shorter than the full distance between the floors.

Classifications:

International (IPC 8-9): E04B1/74 E04B1/94 E04B2/72 E04B2/74 E04B2/78 E04C2/292 E04G11/20 E04G21/14 E04G21/24 E04G21/28 E04G23/02 (Advanced/Invention)

CPC: E04B2/7409 E04G21/28 E04G21/30 E04B1/6154 E04B2/7453 E04B2/7863 E04B2/82 E04B2001/6195 E04B2/7403 E04B1/942 E04B2001/742 E04G21/14 E04B2/721 E04B1/74 E04G21/243

US: 1/1



Family:

Publication number	Publication date	Application number	Application date
TW201742975 A	20171216	TW20170119274	20170609
TWI642834 B	20181201	TW20170119274	20170609
US2019186129 AA	20190620	US20170308301	20170608
WO17214382 A1	20171214	WO2017US36531	20170608

Priority:

US20160348110P 20160609 US20170308301 20170608 WO2017US36531 20170608

Probable Assignee: AECOM DELAWARE CORPORATION

Assignee(s): (std): AECOM ; AECOM DELAWARE CORPORATION

Inventor(s): (std): HAUSERMAN WINDER PATRICIA ; FALCIGLIA III SALVATORE F ; GINDLESPARGER MATTHEW EUGENE ; ASTORGA MAURICE MICHAEL ; CAMPBELL ANDREW ; SIELING HEIKO ; NAWROCKI PAWEL ; HICKS JAMES KYLE ; DOMENICO CALVIN ; HAUSERMAN WINDER PATRICIA M

Agent(s): KIRCHANSKI STEFAN JAMES 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 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

14) Family number: 54138264 (EP2607597A1) © PatBase

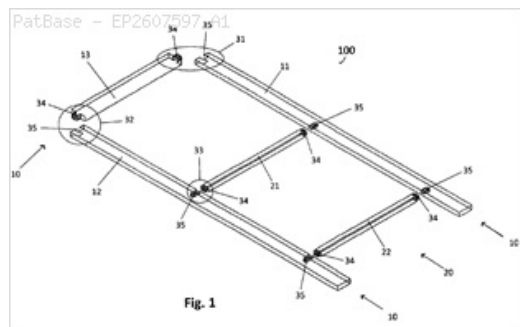
Title: FRAME ASSEMBLY KIT AND METHOD FOR MANUFACTURING AND MOUNTING SAID FRAME KIT DE CADRE ET PROCEDE DE FABRICATION ET DE MONTAGE DE CE CADRE </TI

Abstract: The present invention relates to a frame assembly kit 100 for construction work, to a fixation device 40 mountable on the frame assembly kit 100, to a method for manufacturing and for mounting a frame assembly kit. The frame assembly kit 100 comprises a permanent frame section 10 and a temporary frame section 20. The temporary frame section is utilized for stabilizing the permanent frame section 10 in an operating mode of the frame assembly kit 100. The frame assembly kit 100 comprises at least three outer members 11, 12, 13, forming a frame and at least one inner member 21, 22 stabilizing the frame. All members are connected to each other via plug connections 31, 32, 33.

Classifications:

International (IPC 8-9): E06B1/02 E06B1/06 E06B1/60 (Advanced/Invention)

CPC: E06B1/02 E06B1/06 E06B1/6015



Family:

Publication number	Publication date	Application number	Application date
DE602011004068 D1	20140206	DE201160004068T	20111222
EP2607597 A1	20130626	EP20110010079	20111222
EP2607597 B1	20131211	EP20110010079	20111222
ES2451538 T3	20140327	ES20110010079T	20111222

Priority:

EP20110010079 20111222

Probable Assignee: CARPINTERIA LAINO S L

Assignee(s): (std): CARPINTERIA LAINO S L

Assignee(s): CARPINTERIA LAINO SL

Inventor(s): (std): LAINO LORENZO ROBERT

Agent(s): KEIM PATENTANWALTE; FABREGA XAVIER

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