

Search history

Search SFT=(roof and modular and (column* near support)) (Results 864)

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2:

Search SFT=(1) and IC=(E04D1) (Results 3)

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Search SFT=((two w2 roof*) and modular and (column* near support)) (Results 72)

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Search PA=(Universidad de los Andes) (Results 41)

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Search PN=(CO20170006075) (Results 1)

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Search RF=(NC2017_0006075) (Results 6)

12:

Title: LOAD-BEARING STRUCTURE

Abstract: (Claim 1) 1. The combination of two self-contained, unitary, load-bearing structures of a generally thickened substantially triangular panel bounded on opposite upper and lower faces by vertically spaced triangular surface planes and having internal strength to carry load as a slab supported at three corner points and also in an inclined position with its base disposed horizontally and its apex at a different elevation, said structure having two sides joining said apex to opposite ends of the base and comprising in its inclined position a plurality of vertically disposed trusses each having straight parallel upper and lower 10 chords and including a truss comprising said base, said trusses extending longitudinally between said sides in vertical planes parallel to said base truss and spaced apart in the direction of the height of the triangle between said base and said apex and of decreasing length from said 15 base truss of greatest length to the shortest truss near said apex, each of said trusses having its upper and lower chords respectively in each of said surface planes and each truss having web members extending between and joining said chords at panel points spaced longitudinal-20 ly therein, each of the chords of said trusses in one of said surface planes being longer than its vertically corresponding chord in the other of said surface planes, said structures joined with their bases and other trusses vertically disposed and angularly related at an inclined ridge 25 and with their apexes in mutual contact and with two of their sides having a common line of contact in said ridge, and the proximate ends of the longer chords of each of said trusses joined at said ridge, and struts traversing the vertical plane of said ridge and joining the adjacent 30 spaced apart ends of the shorter chords of each of said trusses.

Classifications:

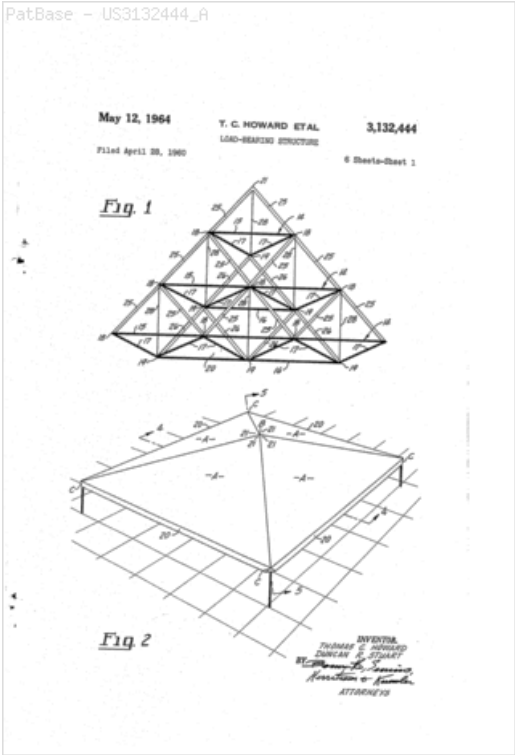
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International (IPC 1-7): E04B1/00 E04B1/19

CPC: E04B1/19 E04B7/028 E04B2001/1987 E04B2001/199 E04B2001/1993

European: E04B1/19 E04B7/02D P04B1/19G3 P04B1/19H P04B1/19K

US: 52/18 52/639 52/643 D25/13



Family:

Publication number	Publication date	Application number	Application date
US3132444 A	19640512	US19600025423	19600428

Priority:

US19600025423 19600428

Probable Assignee: GILLMORE OLSON CO

Assignee(s): (std): GILLMORE OLSON CO ; GILLMORE OLSON COMPANY

Assignee(s): THE GILLMORE OLSON COMPANY

Inventor(s): (std): HOWARD THOMAS C ; STUART DUNCAN R

Title: CANTILEVERED ROOF SECTION

Abstract: 1309285 Panelled structure L ZETLIN 10 June 1970 [17 June 1969] 28036/70 Headings E1W and E1A A roof or wall structure is formed of members 7 bounded on opposite sides by tension or compression members 9, 8 which do not have a common plane and are arranged such that their spacing at one end is greater than their spacing at the other. A substantially continuously curved surface 6 is engaged by vibration dampening flexible cables extending between the members 9, 8 and is formed of interlocking metal or plastics panels 30 extending between the members 9, 8. Two members 7, 7' are joined with a common member 8 to form a structure 5 or the structure 5 may be built up from prefabricated elements as in Fig. 7 (not shown). The structure 5 may form part of a composite hanger roof 3 cantilevered from a central support lattice work structure 1, 1a, 1b see Fig. 3 and the hanger roofs 2 with two cantilevered spans 3, 4 may be joined along a common edge to form a larger structure as in Fig. 15 (not shown). The members 8, 9 may be I-section metal beams or those of the members subject to compression may be concrete. Various configurations of flexible cables may be used both to transfer load on the structure and to dampen vibration. The tension in the cables may be adjusted, see Fig. 11 (not shown) to vary the strength characteristics under different dynamic loads.

Classifications:**International (IPC 8-9):** E04B1/342 E04B7/10

E04B7/20 (Advanced/Invention);

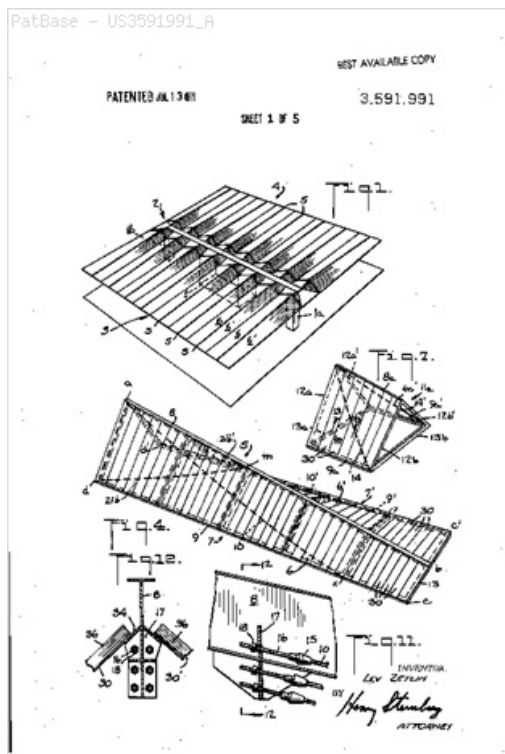
E04B1/342 E04B7/00 E04B7/10 (Core/Invention)

International (IPC 1-7): E04B1/00 E04B1/18 E04B1/32 E04B1/34

E04B1/342 E04B7/00 E04B7/02 E04B7/10 E04B7/12 E04B7/14

E04C2/50 E04C3/02 E04C3/29 E04H6/00 E04H6/44 F16S3/00

F16S3/08

CPC: E04B1/342 E04B7/107**European:** E04B1/342 E04B7/10D**US:** 52/18 52/222 52/73 52/730 52/80.2 52/83 D25/56**Family:**

Publication number	Publication date	Application number	Application date
DE2029785 A1	19701223	DE19702029785	19700616
FR2054577 A1	19710423	FR19700022138	19700616
GB1309285 A	19730307	GB19700028036	19700610
JP50032527 B4	19751022	JP19700051971	19700617
US3591991 A	19710713	US19690834101	19690617

Priority:

US19690834101 19690617

Probable Assignee:

ZETLIN L

Assignee(s): (std):

LEV ZETLIN ; ZETLIN L ; ZETLIN LEV

Inventor(s): (std):

ZETLIN LEV

Inventor(s):

LEV ZETLIN

Title: INFLATABLE SUSPENDED-DOUBLE-MEMBRANE ROOFED STRUCTURE - WITH CUSHION-SPANNED SECTORS COMING TOGETHER NEAR INWARD-PROTRUDING INTERFACING WALLING INDENTATIONS

Abstract: The roof comprises two membranes or other flexible skins forming a cushion hung between tenting frames, and enclosing a compression space for filling with a medium. There are two or more zones or sectors spanned by cushions, and they adjoin each other on both sides of opposite indentations in the walling, on both sides of a structural axis. Pairs of interfacing indentations may serve as seats for bearer units spanning the interior and carrying the cushions which may be able to support walkers. This is suitable for schools, or community swimming baths, sports halls etc. at low cost.

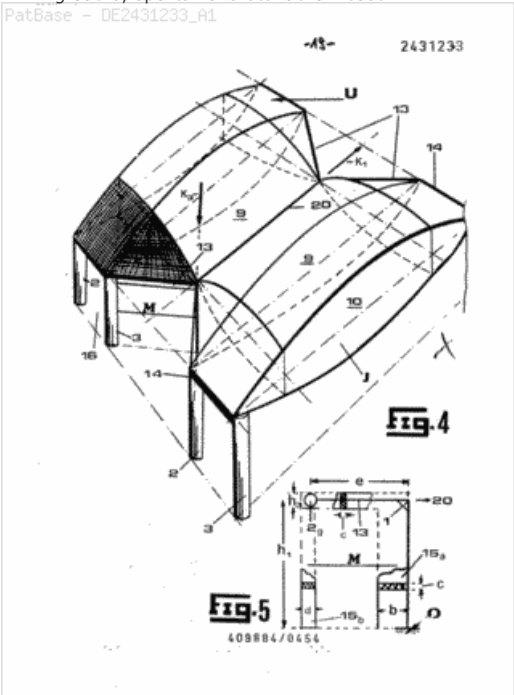
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E04H15/20 (Core/Invention)

International (IPC 1-7): E04B1/345

CPC: E04H15/20 E04H2015/203

European: E04H15/20 P04H15/20C 1



Title: Prefabricated polygonal building

Abstract: A prefabricated building of symmetrical polygonal shape secured onto a concrete slab and symmetrical about a vertical central axis, the building having vertical columns in each polygonal corner and the columns being joined by perimeter beams extending therearound parallel to the slab to form a substantially closed main framework. The building further includes roof beams supported entirely by the columns and extending diagonally upwardly and inwardly to an apex member which joins them. The columns have connectors attached to them to receive the ends of the perimeter and roof beams which comprise two C-shaped members disposed back-to-back with their webs slightly spaced by internally mounted spacers. Prefabricated side and roof panel members enclose the framework, and are made thick enough to hide the beams and the columns and to lap each other to form an inclosed structure. If the building has two stories, it is further provided with another group of connectors fixed partway up the columns to support floor joist beams which are located inside of and comprise part of each prefabricated floor panel.

Classifications:

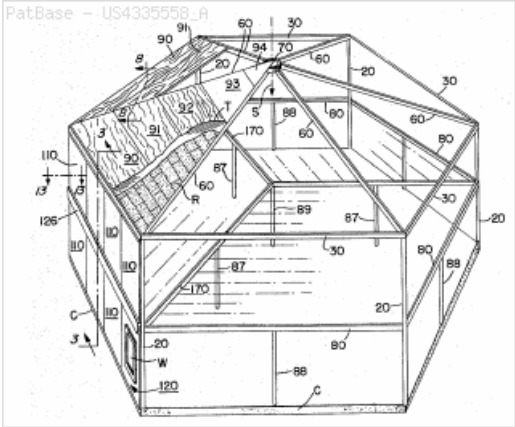
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International (IPC 1-7): E04B7/00 E04H1/00

CPC: E04B1/24 E04B2001/0092 E04B2001/2454 E04B2001/2463 E04B2001/2472 E04B2001/2481 E04B2001/2484 E04B2001/249 E04B2001/2496 E04H1/02

European: E04B1/24 E04H1/02 P04B1/00S6H P04B1/24B42 P04B1/24B52 P04B1/24C3 P04B1/24D P04B1/24E P04B1/24R P04B1/24W

US: 52/13 52/236.1 52/73 52/731.7 52/82 52/94 D25/22 D25/32 D25/4



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US19800180232 19800822

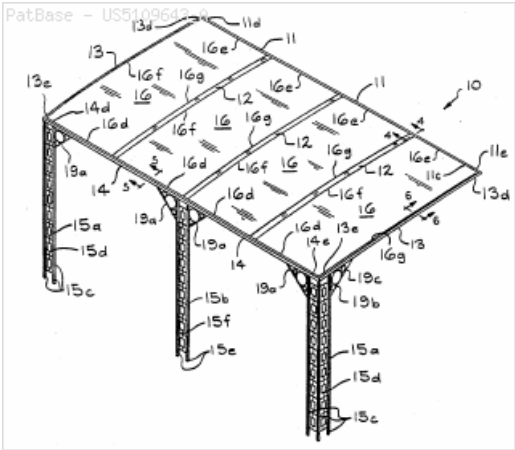
Probable Assignee: DOMAIN BUILDING SYSTEMS CORP
Assignee(s): (std): DOMAIN BUILDING SYSTEMS CORP
Inventor(s): (std): CALDWELL CHARLES A ; DICKSON WILLIAM R

Title: OVERHANGING STRUCTURE

Abstract: A roof channel member (12) for securing roof panels (16) in a channel-braced awning structure (10) is described. The roof channel member is formed from a bottom plate (20) which provides for a female securing post (24) and an upper plate (21) with a male arrow tab (27) for mating with the securing post. A plurality of roof channel members secure side-by-side roof panels in a frame formed from a first F-channel cross member or wall bracket (11), an opposed second F-channel cross member (14), and two parallel spaced apart F-channel side member (13) which join the wall bracket and the second F-channel cross member at the ends. Openings (32) at intervals along the length of the bottom plate provide for light bulbs (34) which mounts into light sockets (33) fitted through the openings. Spaced apart channels (28, 29) on opposed sides of the securing post provide for electrical wires (40) to power the light bulbs. The awning structure is supported off the ground by column members (15 a, 15b).

Classifications:

International (IPC 8-9): E04B7/00 E04D3/06 (Advanced/Invention); E04D3/08 (Advanced/Non-invention); E04B7/00 E04D3/02 (Core/Invention)
International (IPC 1-7): E04B7/04
CPC: E04D3/06 E04B7/00 E04D2003/0806 E04D2003/085 F21S4/20 F21V19/0005 F21V27/00 F21V33/006
European: E04B7/00 E04D3/06 F21S4/00A F21S4/00L F21V19/00A F21V27/00 F21V33/00B P04D3/08P1 P04D3/08R1A
US: 52/220.3 52/221 52/28 52/463 52/90 52/91.3



Family:

Publication number	Publication date	Application number	Application date
US5109643 A	19920505	US19900564088	19900808

Priority:

US19900564088 19900808

Probable Assignee:

SPEERS GEORGE A

Assignee(s): (std):

SPEERS GEORGE A

Inventor(s): (std):

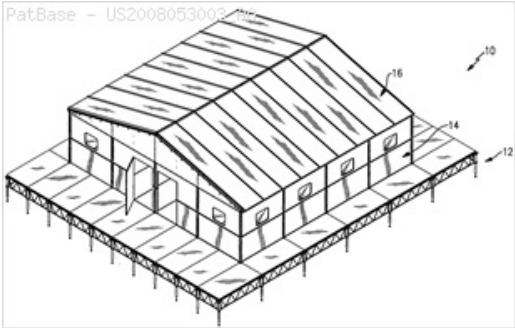
SPEERS GEORGE A

Title: ROOF SYSTEM FOR EMERGENCY ISOLATION AND TREATMENT SHELTER (EITS)

Abstract: An Emergency Isolation and Treatment Shelter (EITS) roof system is modular and readily transportable within conventional shipping containers. The roof system generally includes a roof support structure including a multiple of identical component parts which are assembled together in a modular manner. Once the roof support structure is assembled to the rigid wall system, a multitude of roof panels are locate thereon. Once the multitude of roof panels are located on the roof support structure, a roof cap system is mounted over the edge interfaces of the roof panels and the roof support structure to provide a watertight system that is rapidly assembled. A transport channel is located within the roof system to provide support and storage areas for the running of wires, water supply conduits, and the like to provide an unencumbered floor area.

Classifications:

International (IPC 8-9): E04B7/00 G02B6/44 (Advanced/Invention); E04B7/00 G02B6/44 (Core/Invention)
CPC: G02B6/443 G02B6/4432 G02B6/4494 E04B1/34315 E04B7/024 E04C3/11 E04D3/362 E04D3/40
European: E04B1/343C E04B7/02A2 E04C3/11 E04D3/362 E04D3/40 G02B6/44C11 G02B6/44C7A G02B6/44C7A1
US: 385/100 52/22



Family:

Publication number	Publication date	Application number	Application date
US2008053003 AA	20080306	US20060513490	20060831
US2008056649 AA	20080306	US20060513940	20060831
WO08027194 A2	20080306	WO2007US18066	20070816
WO08027194 A3	20080821	WO2007US18066	20070816

Priority:

US20060513490 20060831 US20060513940 20060831

Probable Assignee: SERENUS JOHNSON PORTABLES LLC

Assignee(s): (std): FULBRIGHT RANDALL E ; HEDRICK DOUGLAS S ; HOCKEMEYER TIMOTHY J ; CORNING CABLE SYS LLC ; YORK JOHN

Assignee(s): SERENUS JOHNSON PORTABLES LLC ; CORNING CABLE SYSTEMS LLC ; PHILIPS ELECTRONICS KONINKLL NV

Inventor(s): (std): FULBRIGHT RANDALL E ; HEDRICK DOUGLAS S ; HOCKEMEYER TIMOTHY J ; YORK JOHN

Agent(s): CARLSON GASKEY AND OLDS PC; CORNING CABLE SYSTEMS LLC; CARROLL JR MICHAEL E

Designated states: AE AG AL AM 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