

Search history

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4:

Search 4 AND (FT = (cement AND (earth OR soil)) NEAR (cast* OR melt*)) (Results 0)
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Search 4 AND (FT = (earth OR soil) NEAR (cast* OR melt*)) (Results 4)
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Search 4 and 7 (Results 11051)
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Search 7 AND (FT = (earth OR soil) NEAR (cast* OR melt*)) (Results 10)
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Search 7 AND 11 (Results 24)
12:

Search FT=(casting W5 (cement* AND soil)) (Results 12)
13:

Search SFT=(casting W5 (cement* AND soil)) (Results 12)
14:

Search FT= (cement* W3 soil) W5 casting (Results 10)
15:

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16:

Search 16 AND FT=((vacuum OR empty OR (hollow W2 space)) W4 (panel OR slab)) (Results 3)
17:

Search 16 AND (FT = (steel OR metal) W3 (grid OR mesh OR net*)) (Results 14)
18:

Title: CONCRETE AND LIKE FOUNDATION AND RETAINING UNITS

Abstract: 1315075 Concrete piles, subterranean barrier walls RHONE-POULENC-TEXTILE 19 April 1971 [16 Feb 1970] 21852/71 Heading E1H In a process for forming in situ in soft or sunken **ground** a **concrete** or like **castable** material pile or a retaining or subterranean barrier wall, means are provided for limiting the quantity of concrete or like material used. When forming a cylindrical pile a metal tube 2 is driven into the ground 1, the space within it excavated and a permeable flexible and deformable fibrous bag 3 inserted within the tube. Reinforcement 5 is then added and a concrete or like mix 4 cast into the bag as the tube 1 is withdrawn, the fibres of the bag being partially set in the mix. Non-cylindrical piles and walls may likewise be made using metal sheets and deformable bags of appropriate shape. Preferably the elongation characteristics of the fibres are such that the volume of concrete or like material used is not more than three times the volume of the excavated space. Details of preferred fibrous materials are given. The pile or wall forming material may comprise concrete, gas concrete, concrete filled with polyvinyl acetate emulsions mortars, aggregates bonded by polyester or other synthetic resins, and rigid polystyrene or polyurethane foams.

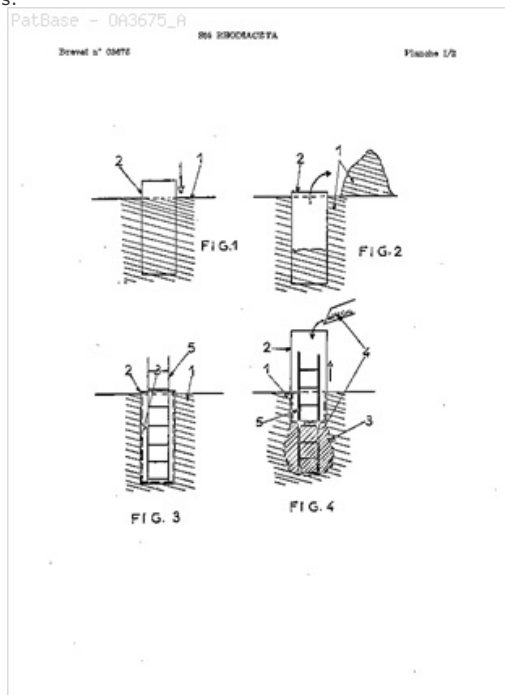
Classifications:

International (IPC 8-9): B28B17/00 E02D17/04 E02D5/00 E02D5/34 E02D5/38 E02D5/66 E02D9/00 (Advanced/Invention); E02D5/00 E02D5/34 (Core/Invention)

International (IPC 1-7): E02D29/00 E02D29/02 E02D5/00 E02D5/18 E02D5/34 E02D5/36 E02D5/38 E02D5/44 E02D5/66

CPC: E02D5/00 E02D5/38 E02D5/385 E02D5/665

European: E02D5/00 E02D5/38 E02D5/38B E02D5/66B



Family:

Publication number	Publication date	Application number	Application date
AR196860 A1	19740228	AR19710234023	19710215
AT312512 B	19740110	AT19710001320	19710216
AU197125400 A1	19720817	AU19710025400	19710212
BE762983 A	19710816	BE19710762983	19710215
BR7100979 A0	19730412	BR19710000979	19710212
CA942079 A1	19740219	CA19710103924	19710128
CH525341 A	19720715	CH19710002151	19710215
DE2107400 A1	19710902	DE19712107400	19710216
DK128504 B	19740513	DK19710000677	19710215
FR2079878 A5	19711112	FR19700005441	19700216
GB1315075 A	19730426	GB19710021852	19710419
LU62597 A	19710819		19710215
NL7101643 A	19710818	NL19710001643	19710208
OA3675 A	19711224	OA19710054140	19710115

Priority:

FR19700005441 19700216

Probable Assignee: RHODIACETA

Assignee(s): (std): RHODIACETA ; RHONE POULENC TEXTILE

Assignee(s): SOC RHODIACETA ; SOCIETE RHODIACETA ; STE RHODIACETA ; SOCIETE RHODIACETA 21 RUE JEAN GOUJON 75 PARIS 8EME FRANCE ; RHODIACETA 21 RUE JEAN GOUJON 75 PARIS 8EME FRANCE SOC ; RHODIACETA SOC ; GAUDARD YVES ; GUILLEMAUD HENRI

Inventor(s): (std): GAUDARD Y ; GAUDARD YVES ; GUILLEMAUD H ; GUILLEMAUD HENRI ; HENRI GUILLEMAUD ; YVES GAUDARD

Inventor(s): YVES GUSHARD HENRI GUILLEMARD

Title: Ground fixing means

Abstract: A ground fixing means (1) for fastening fence posts, tubular elements, steel sections and other anchoring means in the earth comprises a hollow cylindrical body (2) on which there are arranged a plurality of sheet-metal vanes (3) which are directed diagonally outwards.

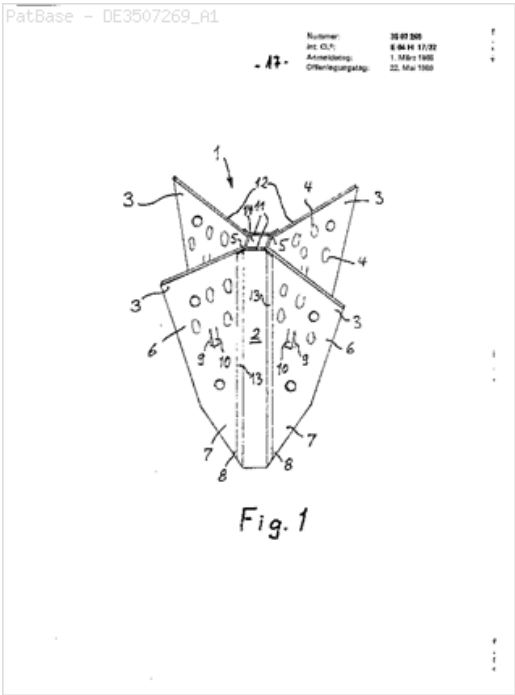
Classifications:

International (IPC 8-9): A01G17/14 A01K3/00 E02D5/80 E04H12/22 E04H17/22 (Advanced/Invention); A01G17/00 A01K3/00 E02D5/80 E04H12/22 E04H17/14 (Core/Invention)

International (IPC 1-7): A01G17/14 A01K3/00 E02D5/54 E04H12/22 E04H17/22

CPC: E02D5/80 E04H12/2215 Y02A40/294

European: E02D5/80 E04H12/22A1



Family:

Publication number	Publication date	Application number	Application date
DE3507269 A1	19860522	DE19853507269	19850301
DE8427965 U1	19850214	DE19840027965U	19840922

Priority:

DE19840027965U 19840922 DE19853507269 19850301

Probable Assignee: STRAEB GMBH AND CO STANZ UND PRA

Assignee(s): (std): LICHTENBERG PAUL ; STRAEB GMBH AND CO STANZ U PRA ; STRAEB GMBH AND CO STANZ UND PRA

Assignee(s): LICHTENBERG PAUL 8170 BAD TOELZ DE ; GEBR STRAEB GMBH AND CO STANZ UND PRAEGEWERK

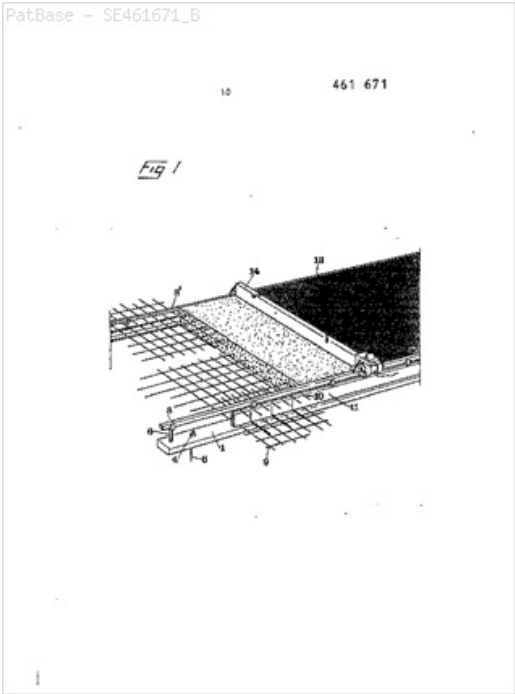
Inventor(s): (std): BADER JOACHIM DIPL ING ; LICHTENBERG PAUL

Title: METHOD FOR CASTING CONCRETE SLABS, AND SHUTTERING ELEMENT FOR CARRYING OUT THE METHOD

Abstract: The invention concerns a method for casting concrete slabs on ground, the casting being carried out in separate stages by dividing the slab into casting sections 13, joints being arranged between the casting sections, in which joints there are placed a number of elongate shuttering elements 1 which are arranged in continuous succession and on which a bottom reinforcement 9 is placed. The shuttering element remains in the concrete after setting and has holes or threaded sleeves 2 intended to receive screw-threaded retention members 6 which can be adjusted in height and are intended to support rails 8, 8' serving as supports for vibration and/or smoothing devices 14 during casting. The invention also concerns a shuttering element 1 for carrying out the method.

Classifications:

International (IPC 8-9): E04B5/17 E04B5/36 (Advanced/Invention);
E04B5/17 E04B5/32 (Core/Invention)
International (IPC 1-7): E04B5/17 E04B5/36
CPC: E04B5/17 E04B5/36
European: E04B5/17 E04B5/36



Family:

Publication number	Publication date	Application number	Application date
SE461671 B	19900312	SE19890000644	19890224
SE461671 C	19900705	SE19890000644	19890224
SE8900644 A0	19890224	SE19890000644	19890224

Priority:

SE19890000644 19890224

Probable Assignee:

CHRISTER LUNDWALL

Assignee(s): (std):

CHRISTER LUNDWALL

Inventor(s): (std):

LUNDWALL CHRISTER

Inventor(s):

CHRISTER LUNDWALL

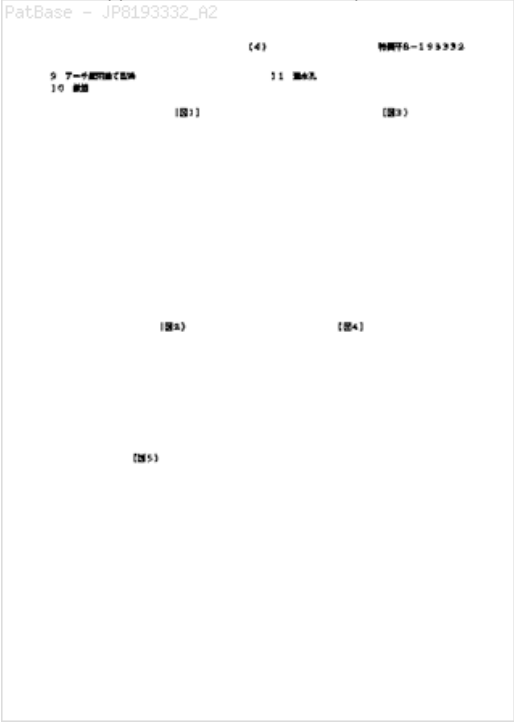
Title: SLOPE FACE STABILIZATION VEGETATION SHELF

Abstract: PURPOSE: To make it possible to create a full-scale vegetation which is favorable in outside appearance and high in strength and stabilize a slope face. CONSTITUTION: Anchors 1 are installed on a slope-faced natural ground properly separated from each other where there is erected a permanent form 2 made of a metal net- shaped material having an arc-shaped arch which is curved toward the natural ground. The anchors 1 are adapted to pass through a vertical part 4 installed toward the natural ground. Concrete 5 is cast into the form 2, thereby constructions an arch wall 6 and a vertical wall 7. The vertical wall 7 is fixed with the anchors 1. A soil dressing 8 is filled up between the arch wall 6 and the natural ground, thereby vegetating. The vertical wall 7 can be cast. After it is fixed with the anchors 1, a form 9 is 7 installed between the vertical walls 6 so that the arch wall 6 may be constructed. The arch wall 1 is strong enough as an arch type structural body where the thickness of the wall 6 can be reduced and a large volume of soil dressings may be brought in so that a full-scale vegetation may be available. The arch wall 6 makes it possible to be fixed with the natural ground by means of the anchors and endure not only the load of soil dressings but also collapse earth and sand load based on arch structure. This construction makes it produce an elegant arch wall shape and enhance the appearance of the whole slope face as well.

Classifications:

International (IPC 8-9): E02D17/20 (Advanced/Invention)

International (IPC 1-7): E02D17/20



Family:

Publication number	Publication date	Application number	Application date
JP2754522 B2	19980520	JP19950021275	19950114
JP8193332 A2	19960730	JP19950021275	19950114

Priority:

JP19950021275 19950114

Probable Assignee: KENSETSU KISO ENG

Assignee(s): (std): KENSETSU KISO ENG

Assignee(s): KENSETSU KISO ENG CO LTD ; KENSETSU KISO ENJINIARINGU KK

Inventor(s): (std): YAMADA KUNIMITSU ; YAMADA YASUHIRO

Title: BUILDING FOUNDATION STRUCTURES AND METHOD OF MAKING THEM

Abstract: A foundation structure comprises piles 1, preferably of reinforced concrete, and cast- in-situ annular concrete collars 7 each surrounding a respective pile. Precast concrete beams 8 rest each with its ends on a respective two of the said collars and there are stitched joints between the ends of the beams and the respective piles. Such a structure is made by first installing the piles; second forming annular recesses around them; third casting in-situ concrete in the annular recesses to form the collars, each with its upper surface at a prearranged design level; fourth after the in-situ concrete has hardened placing precast concrete beams to rest each with its ends on two of the collars; and fifth forming the stitched joints.; In this way, the height and level of the beams is determined by the levelling of the in-situ concrete of the collars and is not affected by any imprecision in setting the piles or cutting their tops.

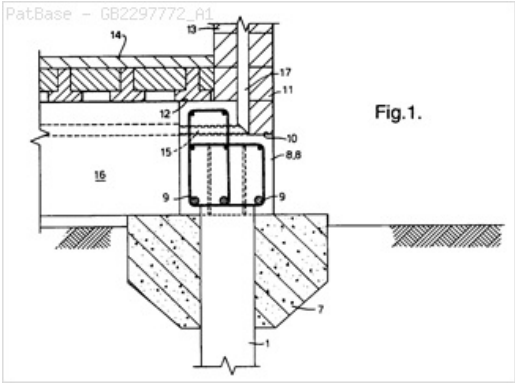
Classifications:

International (IPC 8-9): E02D27/14 (Advanced/Invention);
E02D27/12 (Core/Invention)

International (IPC 1-7): E02D27/14

CPC: E02D27/14

European: E02D27/14



Family:

Publication number	Publication date	Application number	Application date
GB2297772 A1	19960814	GB19960002048	19960201
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GB2304136 A1	19970312	GB19960016091	19960731
GB2304136 B2	19971112	GB19960016091	19960731
GB9502520 A0	19950329	GB19950002520	19950209
GB9515985 A0	19951004	GB19950015985	19950804
GB9516045 A0	19951004	GB19950016045	19950804
GB9517462 A0	19951025	GB19950017462	19950825
GB9602048 A0	19960403	GB19960002048	19960201
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GB9616091 A0	19960911	GB19960016091	19960731

Priority:

GB19950002520 19950209	GB19950015985 19950804	GB19950016045 19950804
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Probable Assignee:

BICC PLC

Assignee(s): (std):

BICC PLC

Assignee(s):

BICC PUBLIC LIMITED COMPANY

Inventor(s): (std):

PALING GODFREY LESLIE JOHN

Inventor(s):

GODFREY LESLIE JOHN PALING

Title: WATERSTOP BARRIER, PARTICULARLY FOR CONCRETE STRUCTURES

Abstract: A waterstop barrier, particularly for reinforced-concrete structures (1) that comprise a reinforcement frame (2), the barrier having a modular rigid structure (5) that is composed of a first and a second elements (6a,6b) that can be arranged adjacent to each other, with the interposition of a water-expanding sealing strip (7), the rigid structure (5) comprising locking means (11) and means (14a,14b,15a,15b) for engaging the reinforcement frame.

Classifications:

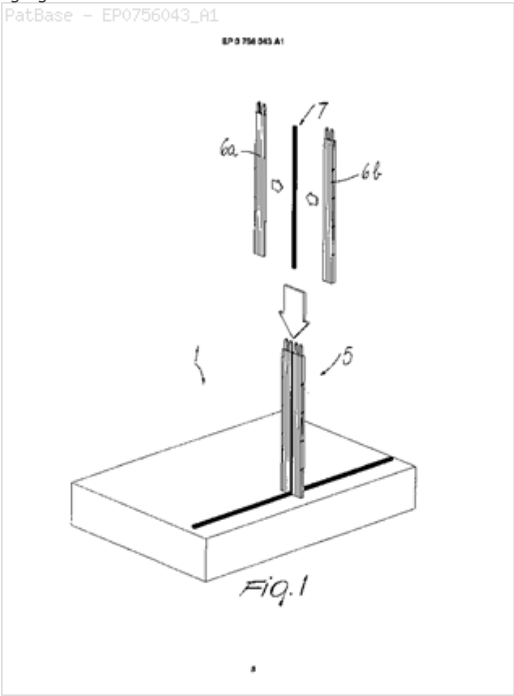
International (ipc 8-9): E04B1/68 (Advanced/Invention);

E04B1/68 (Core/Invention)

International (ipc 1-7): E04B1/68

CPC: E04B1/6806

European: E04B1/68C



Family:

Publication number	Publication date	Application number	Application date
AT191764 E	20000415	AT19960111769T	19960722
DE69607699 D1	20000518	DE19966007699	19960722
DE69607699 T2	20000803	DE19966007699T	19960722
EP0756043 A1	19970129	EP19960111769	19960722
EP0756043 B1	20000412	EP19960111769	19960722
IT1279338 B1	19971209	IT1995TV00095	19950728
ITTV950095 A0	19950728	IT1995TV00095	19950728
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Priority:

IT1995TV00095 19950728

Probable Assignee:

VOLTECO SPA

Assignee(s): (std):

VOLTECO S P A ; VOLTECO SPA

Assignee(s):

VOLTECO S P A VILLORBA

Inventor(s): (std):

GUDERZO MARCO

Designated states:

AT CH DE ES FR GB IT LI

Title: PRE-CAST CONCRETE PANELS FOR CONSTRUCTION OF A BUILDING

Abstract: A formwork for precast concrete panel comprises of a quadrangle panel with a base and four side panels. The formwork (10) comprises of a base (14), which is provided with an island region (20) and/or a mound region (22), a pair of parallel fixed spaced apart side panels (16) and a pair of parallel moveable side panels (18). The island region (20) and/or mound region (22) is positioned between the parallel moveable spaced apart side panels (18) and wherein said parallel moveable spaced apart side panel (18) are removeably secured to the parallel fixed spaced apart side panels (16) in a tight manner in any desired distance from the center of the island (20) and/or mound (22) region.

Classifications:

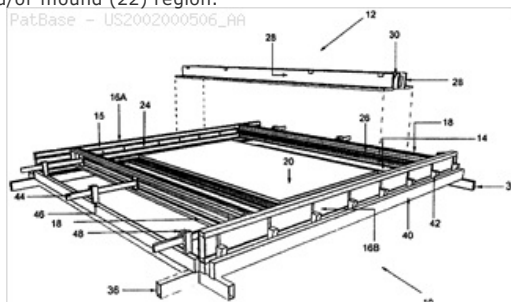
International (IPC 8-9): B28B7/00 B28B7/02 E04B1/02 E04B1/04 E04B1/16 E04B1/343 E04B1/38 E04B2/00 E04B2/24 E04B2/68 E04B2/86 E04B5/02 E04B5/14 E04B5/19 E04B5/23 E04B5/43 E04B7/20 E04C2/00 E04C2/04 E04C2/06 E04C2/38 E04C2/52 E04G11/00 E04G21/16 E28B7/02 (Advanced/Invention); E04B1/04 E04B5/38 E04C2/00 E04C2/06 (Advanced/Non-invention); B28B7/00 B28B7/02 E04B1/02 E04B5/02 E04C2/04 E04G21/16 (Core/Invention); E04B1/02 E04C2/00 (Core/Non-invention)

International (IPC 1-7): B28B7/02 E04B01/04 E04B1/00 E04B1/02 E04B1/04 E04B1/16 E04B1/32 E04B1/343 E04B13/43 E04B2/00 E04B2/52 E04B2/68 E04B5/02 E04B5/04 E04B5/17 E04B5/23 E04B5/38 E04C2/00 E04C2/04 E04C2/06 E04C2/34 E04C2/54 E04C3/34 E04G11/00 E04G21/00 E04G23/00 E04H1/00 E04H12/00 E04H14/00 E04H3/00 E04H5/00 E04H6/00

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European: B28B7/00A7A B28B7/00B2 B28B7/00H B28B7/02 B28B7/16C B28B7/34D E04B1/04 E04B5/04 E04B5/04H E04C2/04D E04G21/16 P04C2/00B2

US: 249/155 249/155P 249/157 249/158 249/162 249/168 249/18 249/188 249/188S 249/18P 52/234 52/236.8 52/236.9 52/24 52/240 52/241 52/25 52/250 52/251 52/258 52/259 52/262 52/271 52/284 52/300 52/600 52/606 52/648.1 52/650.1 52/651.07 52/721.1 52/721.2 52/724.1 52/745.05 52/745.09 52/745.17 52/783.1 52/79.14 52/79.9 52/795.1 52/799 52/86



Family:

Publication number	Publication date	Application number	Application date
AP1026 A	20011119	AP19980001189	19960907
AP9801189 A0	19980331	AP19980001189	19960907
AR003528 AA	19980805	AR19960104268	19960906
AU199673571 A1	19970409	AU19960073571	19960907
AU2002256963 AA	20021125	AU20020256963	20020401
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BRP19610515 A	19990330	BR1996PI10515	19960807
CA2231463 AA	19980227	CA19962231463	19960907
CA2426566 AA	20030416	CA20022426566	20020401
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IN210502 B	20081024	IN2003MN00394	20030409
IN243679 B	20101105	IN1996DE01912	19960827
JP11512502 T2	19991026	JP19970512654T	19960907
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MY135260 A	20080331	MY20010002228	20010511
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US2002000506 AA	20020103	US20010874938	20010604
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VN3122 A1	20021225	VN19980000312	19980408
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ZA200302764 A	20040716	ZA20030002764	20030409
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Priority:

MY19950002668	19950908	WO1996SG00012	19960907	US19980011420	19980430
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Probable Assignee: O STABLE PANEL SDN BHD

Assignee(s): (std): AH KIM KHOO ; CHIU TIEN ; KANDIAH AND ASSOCIATES SDN BHD ; KHOO T ; KHOO A K ; KIM KHOO AH ; KHOO TIAN ; KHOO TIAN AND O STABLE PANEL BUILDING SDN BHD ; STABLE PANEL SDN BHD O ; TIAN KHOO ; STABLE PANEL PTE LTD O ; STABLE PANEL SND BHD O ; STABLE PANEL CO LTD O ; PANEL SDN BHD O STABLE ; TIAN THOO ; O STABLE PANEL SDN BHD ; O STABLE PANEL PTE LTD ; KHOO AH KIM

Assignee(s): O STABLE PANEL CO LTD ; O STABLE PANEL SND BHD ; VERO DECKING INC ; O-Stable Panel SDN. BHD. ; Tian ; KHOO TIAN KHOO AH KIM ; KHOO TIAN ; O STABLE PANEL SDN.BHD ; Khoo ; CHIU TIENMY

Inventor(s): (std): CHIU TIEN ; KHOO AH KIM ; KHOO TIAN ; THIAN KHOO ; TIAN KHOO

Inventor(s): Tian ; O STABLE PANEL SDN.BHD ; Khoo

Agent(s): PHILLIPS ORMONDE FITZPATRICK; MADDERNS PATENT AND TRADE MARK ATTORNEYS; BERESKIN AND PARR; GOWLING LAFLEUR HENDERSON LLP; TOWNSEND AND TOWNSEND AND CREW LLP; HARRIS FIRM

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 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

Title: Construction of high-rise building with large modular units

Abstract: A method for constructing modular high-rise buildings is described. Precast modules forming a portion of a level of the building are formed at ground level, and are lifted in position on the level being assembled. Most of the finishing and testing work for the precast modules is carried out at ground level, resulting in a safer and less expensive construction. Once in place on the building's level, the precast modules are secured with concrete pours and other strengthening devices.

Classifications:

International (IPC 8-9): E04B1/34 E04B1/348

E04G21/16 (Advanced/Invention);

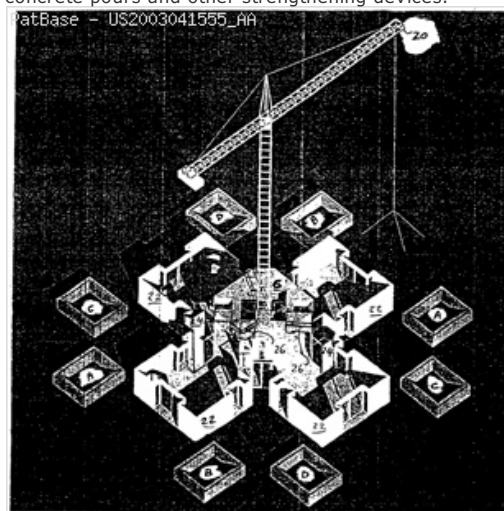
E04B1/348 (Advanced/Non-invention)

International (IPC 1-7): E04B1/00 E04B1/348 E04G21/00 E04G23/00

CPC: E04B1/34 E04B1/34823 E04G21/161

European: E04B1/34 E04B1/348C2 E04G21/16B

US: 52/742.14 52/742.140P 52/742.15 52/742.150S 52/745.2 52/745.200S



Family:

Publication number	Publication date	Application number	Application date
AU2001263323 AA	20011203	AU20010263323	20010521
AU200163323 A1	20011203	AU20010063323	20010521
AU200163323 A5	20011203	AU20010063323D	20010521
CN1452678 A	20031029	CN20018012842	20010521
KR20040016371 A	20040221	KR20027015629	20010521
US2003041555 AA	20030306	US20010860589	20010521
WO0190499 A1	20011129	WO2001US16312	20010521

Priority:

US20000205254P 20000519

US20010860589 20010521

WO2001US16312 20010521

Probable Assignee: SCALLAN JOE L

Assignee(s): (std): L JOE SCALLAN ; SCALLAN L JOE ; SHERRER ARTHUR JR ; ARTHUR SHERRER JR

Assignee(s): SCALLAN JOE L ; SHERRER JR ARTHUR ; SHERRER ARTHUR ; SCALLAN L ; SHERRER LINDA

Inventor(s): (std): SHERRER LINDA ; SHERRER ARTHUR JR ; SHERRER ARTHUR ; SCALLAN L JOE ; L JOE SCALLAN ; JR ; ARTHUR SHERRER

Inventor(s): SHERRER JR ARTHUR ; ARTHUR SHERRER JR ; SCALLAN L

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD

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 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 PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

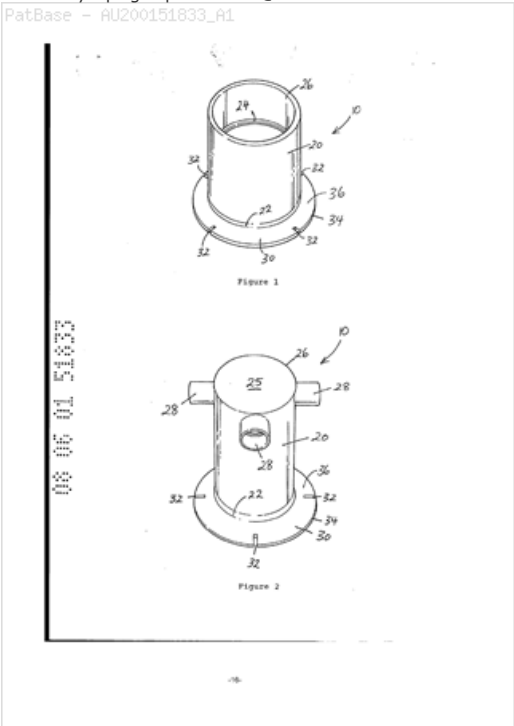
Title: Connection device

Abstract: A connection device for connecting at least one conduit member thereto, particularly in relation to plumbing and electrical fixtures located and stored in a floor cavity directly underneath a cast concrete floor. The connection device comprises a socket member for receiving the or each conduit member, and a flange member outwardly depending from the socket member. The flange member is provided with means for receiving an attachment means, whereby in use the attachment means secures the connection device to a surface in a substantially upright position. 6@ 6

Classifications:

International (ipc 8-9): E04G15/06 F16B9/00 F16L21/00 F16L23/032 F16L41/08 H02G3/06 (Advanced/Invention); E04G15/00 F16B9/00 F16L21/00 F16L23/00 F16L41/08 H02G3/02 (Core/Invention)

International (ipc 1-7): E04G15/06 F16B9/00 F16L21/00 F16L23/032 F16L41/08 H02G3/06



Family:

Publication number	Publication date	Application number	Application date
AU2000008052 A0	20000706	AU2000PQ08052	20000609
AU200151833 A1	20011213	AU20010051833	20010608
AU200151833 A5	20011213	AU20010051833D	20010608
AU778163 B2	20041118	AU20010051833	20010608
AU805200 A0	20000706	AU2000PQ08052	20000609

Priority:

AU2000PQ08052 20000609 AU20010051833 20010608

Probable Assignee: LENTHALL D W

Assignee(s): (std): LENTHALL D W ; LENTHALL DARREN WILLIAM ; MARTIN S B ; MARTIN SHANE BRADLEY

Assignee(s): SHANE BRADLEY MARTIN ; DARREN WILLIAM LENTHALL

Inventor(s): (std): LENTHALL DARREN WILLIAM ; MARTIN SHANE BRADLEY

Inventor(s): SHANE BRADLEY MARTIN ; DARREN WILLIAM LENTHALL

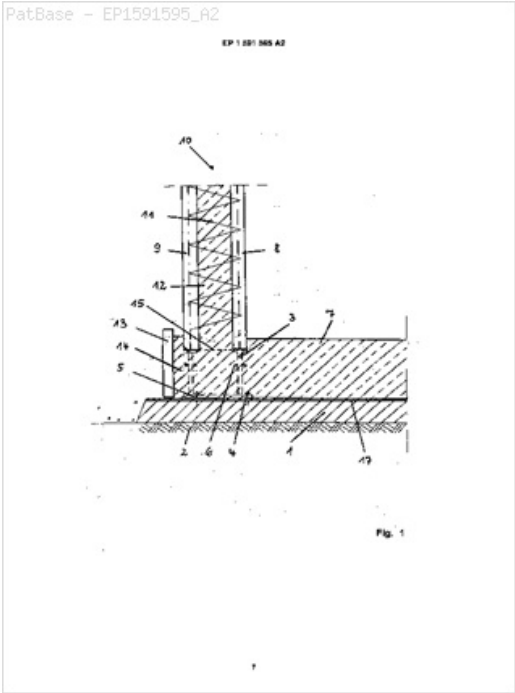
Agent(s): GRIFFITH HACK

Title: WATERTIGHT CELLAR

Abstract: The concrete plate has at least one double-walled element of prefabricated panels (7,8) connected together through grid supports (9). The double walled element is mounted on supports (4) cast into the floor plate (3). The supports for the two prefabricated plates are of equal length.

Classifications:

International (ipc 8-9): E02D27/01 E04B1/00 E04B1/16 E04B5/32 (Advanced/Invention); E04B2/86 (Advanced/Non-invention); E02D27/01 E04B1/00 E04B1/16 E04B5/32 (Core/Invention); E04B2/86 (Core/Non-invention)
International (ipc 1-7): E04B1/00 E04B5/32
CPC: E02D27/01 E04B1/0007 E04B1/161 E04B2/8617 E04B5/32
European: E02D27/01 E04B1/00B E04B1/16A E04B5/32 P04B2/86E1



Family:

Publication number	Publication date	Application number	Application date
DE202004006629 U1	20040819	DE200420006629U	20040426
EP1591595 A2	20051102	EP20050005696	20050316
HK1083877 A3	20060714	HK20060103876	20060328

Priority:

DE200420006629U 20040426

Probable Assignee: HAMMERER FERDINAND

Assignee(s): (std): GLATTHAAR FERTIGKELLER GMBH ; HAMMERER FERDINAND

Inventor(s): (std): GLATTHAAR JOACHIM

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR