

1) Family number: 35563007 (EP2006455A1)

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Title: System for supporting a shuttering

Abstract: A system for supporting concrete or other settable material during the construction of a foundation raft or other low level beam, the system comprising a shell having a substantially vertical support section and a cavity section, the support section having a first side against which settable material rests during formation of the raft or beam and a second side opposite the first side, a plurality of support ties extending from the cavity section to adjacent the first side of the support section for, in use, retaining at least the support section in the desired position during curing of the settable material and means for connecting each support tie to the support section.

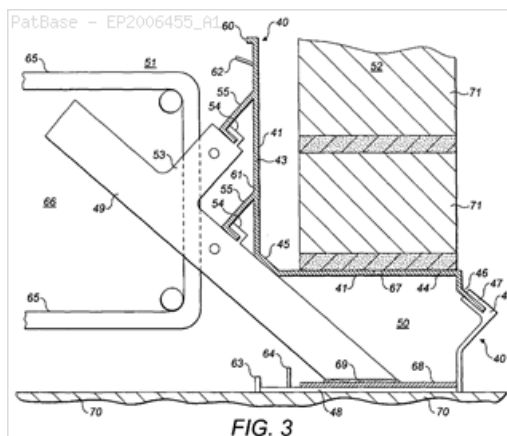
Classifications:

International (IPC 8-9): E02D27/01 E02D27/08 (Advanced/Invention);

E02D27/01 E02D27/08 (Core/Invention)

CPC: E02D27/01 E02D27/02 E02D27/08

European: E02D27/01 E02D27/02 E02D27/08



Family:

Publication number	Publication date	Application number	Application date
EP2006455 A1	20081224	EP20080158068	20080611
GB200711723 A0	20070725	GB20070011723	20070618
GB200810654 A0	20080716	GB20080010654	20080611
GB2450401 A1	20081224	GB20080010654	20080611
GB2450401 B2	20111109	GB20080010654	20080611

Priority:

GB20070011723 20070618

Probable Assignee: ABBEY PYNFORD HOLDINGS PLC

Assignee(s): (std): ABBEY PYNFORD HOLDINGS LTD ; ABBEY PYNFORD HOLDINGS PLC

Assignee(s): ABBEY PYNFORD HOLDINGS LIMITED

Inventor(s): (std): KISS PAUL

Inventor(s): PAUL KISS

Agent(s): SMEE ANTHONY JAMES MICHAEL

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 MK MT NL NO PL PT RO RS SE SI SK TR

2) Family number: 49304292 (CN102127965A)

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Title: COMPOSITE PRECAST STRESSED TEMPLATE

Abstract: The invention discloses a composite precast stressed template. The template comprises a shell (1) and is characterized in that the shell (1) is a semi-closed cavity with an upper opening; sandwich materials (2) are embedded in the shell (1); a shear connector (4) is arranged on the side walls of the shell (1) along the longitudinal gap of the semi-closed cavity of the shell (1) and is transversely arranged on the middle upper part of the side walls of the shell (1); the two ends of the shear connector (4) penetrate through the side walls of the shell (1); and the shell (1) is shaped like a straight beam or a cross beam. The template has the following advantages: the template has the functions of the template and the stressed member; form removal operation is not needed in the engineering; the shell is made of light anticorrosion resin matrix fiber composites with excellent mechanical performance and can well meet the engineering requirement for high stress strength; and the template is rapid and convenient to produce, is formed once, can be directly transported to the field to be used after being manufactured in the factory, is convenient to construct and lay and can be manufactured into different shapes according to the actual requirement of the engineering.

Classifications:

International (IPC 8-9): E04G9/10 (Advanced/Invention)

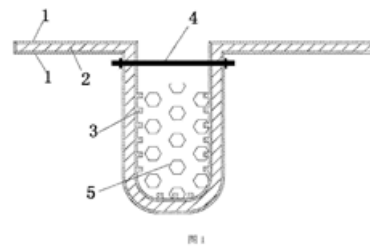


图1

7

Family:

Publication number	Publication date	Application number	Application date
CN102127965 A	20110720	CN201110061231	20110315
CN102127965 B	20121226	CN201110061231	20110315

Priority:

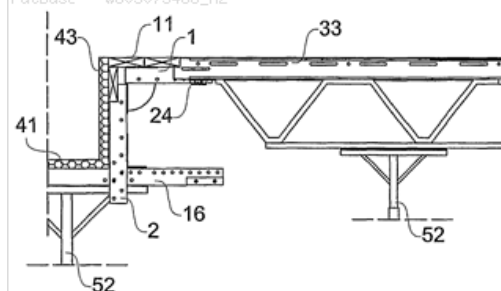
CN201110061231 20110315

Probable Assignee: UNIV NANJING**Assignee(s):** (std): NANJING UNIV OF TECHNOLOGY ; UNIV NANJING**Assignee(s):** NANJING UNIVERSITY OF TECHNOLOGY**Inventor(s):** (std): LIU WEIQING ; CHEN XIANGQIAN ; ZHANG MINHUI ; FANG HAI ; LU WEIDONG ; WEIQING LIU ; HAI FANG ; WEIDONG LU ; XIANGQIAN CHEN ; MINHUI ZHANG**3) Family number: 32134312 (WO05073486A2)**

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Title: MODULAR SYSTEM AND DEVICES FOR FORMWORKS**Abstract:** Modular system for carrying out and supporting formworks, which comprises some modular devices combined to each other: modular angle members (1, 2), modular telescopic rods (11), modular crossbars (16), modular beams (33), modular joints (24), modular formworks (41, 43) and the relevant fixing members.**Classifications:****International (IPC 8-9):** E04G11/46 E04G11/48 E04G11/52 E04G11/56 E04G13/02 E04G13/04 (Advanced/Invention); E04G11/00 E04G13/00 (Core/Invention)**International (IPC 1-7):** E04G11/46 E04G11/48 E04G11/52 E04G11/56 E04G13/04**CPC:** E04G11/46 E04G11/48 E04G11/52 E04G11/56 E04G13/025 E04G13/04**European:** E04G11/46 E04G11/48 E04G11/52 E04G11/56 E04G13/02C2 E04G13/04

PatBase - WO05073486_A2

**Family:**

Publication number	Publication date	Application number	Application date
EP1711668 A2	20061018	EP20050709192	20050128
EP1711668 B1	20170607	EP20050709192	20050128
ITMI20040116 A1	20040428	IT2004MI00116	20040128
WO05073486 A2	20050811	WO2005IT00042	20050128
WO05073486 A3	20060413	WO2005IT00042	20050128

Priority:

IT2004MI00116 20040128 WO2005IT00042 20050128

Probable Assignee: IDONE CASSONE FILIPO**Assignee(s):** (std): IDONE CASSONE FILIPO ; IDONE CASSONE FILIPPO**Inventor(s):** (std): IDONE CASSONE FILIPPO ; IDONE CASSONE FILIPO**Agent(s):** PIZZOLI ANTONIO**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

4) Family number: 56247588 (GB2522886A)

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Title: SHUTTERING SYSTEM

Abstract: A shuttering system 1 for concrete or settable material to form a raft (5, fig 1), wherein the system has a shutter member 16 and brace member 26, wherein the shutter member has a base portion 18 and at least one wall portion 17 being U or L-shaped. The brace and wall portion have cooperating engagement means, which may be a hook/protrusion with a detent 30 and a slot 25 respectively. The brace may be U-shaped and abut the side walls and base portion. The brace and base portion may have apertures/holes 35 and 27 to fasten the shuttering system to a substrate/working surface 4 via screws (6, fig 1). The side walls may be of unequal heights. The side walls may have n-shaped top edge with a distal end extending downwards being submerged/covered in the concrete. A side wall may have apertures 36 for reinforcing bars.

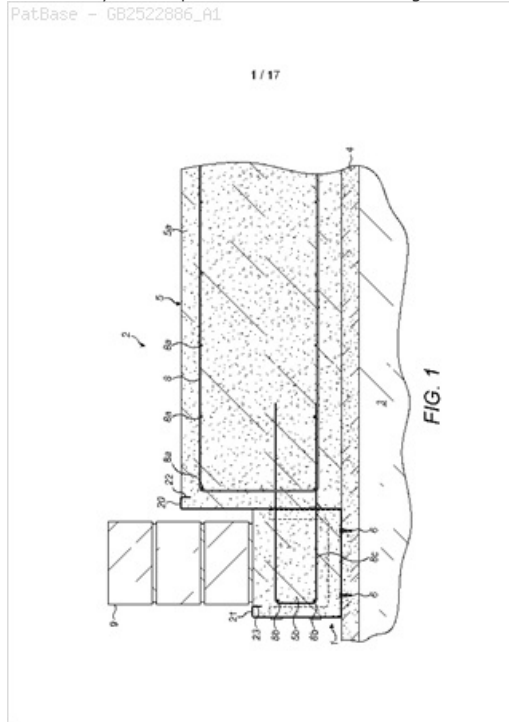
Classifications:

International (IPC 8-9): E02D27/01 E04G11/00

E04G17/14 (Advanced/Invention)

CPC: E04B2005/322 E04G11/00 E04G17/14 E04C5/18 E04B5/32
E02D27/013

PatBase - GB2522886_R1



Family:

Publication number	Publication date	Application number	Application date
GB201402177 A0	20140326	GB20140002177	20140207
GB2522886 A1	20150812	GB20140002177	20140207

Priority:

GB20140002177 20140207

Probable Assignee:

ABBEY PYNFORD HOLDINGS LTD

Assignee(s): (std):

ABBEY PYNFORD HOLDINGS LTD

Inventor(s): (std):

FEATHERSTONE MARTIN GRANT ; KISS PAUL

Inventor(s):

MARTIN GRANT FEATHERSTONE ; PAUL KISS

5) Family number: 56247593 (GB2522887A)

© PatBase

Title: SHUTTERING SYSTEM

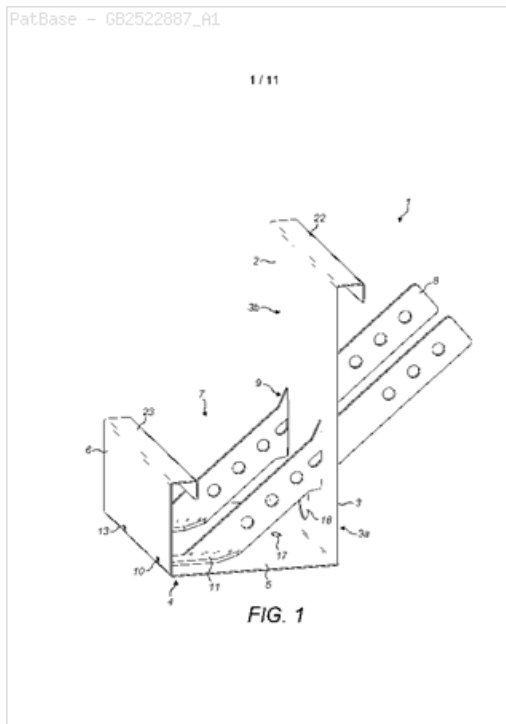
Abstract: A shuttering member for supporting concrete or other settable material, and method of forming a structure, such as a raft, wherein the system has a first wall 3 with a first side 3a for retaining the material, and a second side 3b for retaining material in a cavity 7 formed by the second side, a second wall 6 and a base 5. There is at least one tie or bracing member passing through apertures (14, fig 2) in the first wall embedded in the material. The tie has first and second engagement means, the first may be protrusions 9 to engage the first wall, and the second may be protrusions 10 to engage a notch 13 in the base or second wall. The walls may have n-shaped edges 22 extending downwards to be embedded in the concrete. Openings 18 may allow concrete to pass through the first wall.

Classifications:

International (IPC 8-9): E02D27/01 E04G11/00

E04G17/14 (Advanced/Invention)

CPC: E04B2005/322 E04B2005/324 E04G17/14 E04G11/00 E04B5/32
E02D27/013

**Family:**

Publication number	Publication date	Application number	Application date
GB201402178 A0	20140326	GB20140002178	20140207
GB2522887 A1	20150812	GB20140002178	20140207

Priority:

GB20140002178 20140207

Probable Assignee:

ABBEY PYNFORD HOLDINGS LTD

Assignee(s): (std):

ABBEY PYNFORD HOLDINGS LTD

Inventor(s): (std):

FEATHERSTONE MARTIN GRANT ; KISS PAUL

Inventor(s):

MARTIN GRANT FEATHERSTONE ; PAUL KISS

6) Family number: 49548625 (EP2363535A1)

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Title: LOAD BEARING SUBSTRUCTURE OF A STRUCTURE OR BUILDING

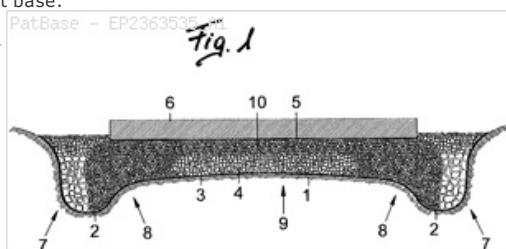
Abstract: The chassis has ground profile for arrangement of a establishment pad under the construction or object extending from middle of the construction or object located on the marginal area of the construction or object to sloping to center of the ground (1). A drainage channel (2) is provided. A glass foam-granulate filling (4) encloses or reinforces an intermediate layer (3). A surface layer (6) is bed-plate of the construction base or object base.

Classifications:

International (IPC 8-9): E02D27/01 E02D27/02 E02D31/02 E04B1/64 E04B1/66 (Advanced/Invention)

CPC: E02D27/02

European: E02D27/02

**Family:**

Publication number	Publication date	Application number	Application date
AT509482 A4	20110915	AT20100000318	20100302
AT509482 B1	20110915	AT20100000318	20100302
EP2363535 A1	20110907	EP20110001703	20110301

Priority:

AT20100000318 20100302

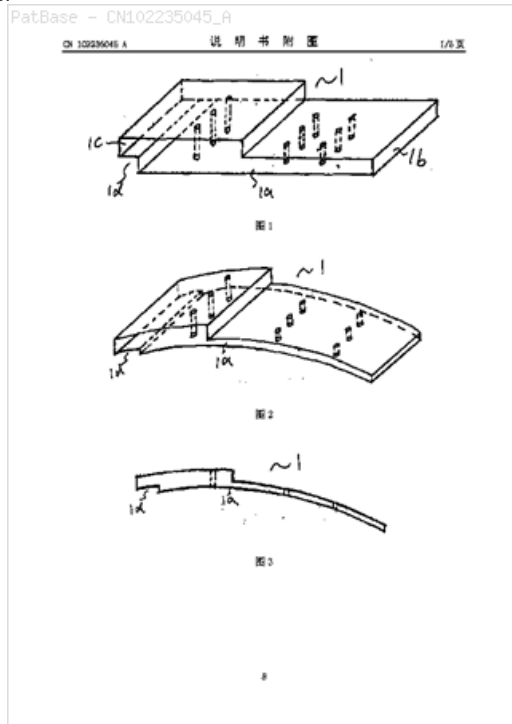
Probable Assignee: EXXAG INVEST LTD**Assignee(s):** (std): EXXAG INVEST LTD**Assignee(s):** EXXAG INVESTMENTS LIMITED ; EXXAG INVESTMENTS LTD**Inventor(s):** (std): MATTHIE ANDREAS ; RAINER ARMIN ; WEISS HOLGER**Agent(s):** KRAUSE PETER**Designated states:** AL AT BA BE BG CH CY CZ DE DK EE ES FI FR 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

Title: WALL BUILDING METHOD FOR CASTING NON-BEARING WALL ON SITE

Abstract: The invention discloses a wall building method for casting a non-bearing wall on site. The wall building method comprises the following steps of: correspondingly fixing strip modules with equal length on the ground and the roof/beam up and down, vertically fixing templates and die columns between the ground and the roof/beam by using the modules as support and using the match of bolts, sleeves and nuts to form a 'die box' of the cast wall, pumping concrete into the 'die box' through a machine, and continuously casting various walls without gaps. The wall building method has the advantages of simplicity in the construction process, oneness in the templates, high construction speed and low labor intensity of workers; and the die is easily detached and can be reused. The cast wall is vertical, flat and free from joints, does not need to be plastered, and can be directly finished or stuck with wallpaper for use.

Classifications:

International (IPC 8-9): E04B2/74 E04B2/84 E04G11/08 E04G21/02 E04G21/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN102235045 A	20111109	CN201010169446	20100430

Priority:

CN201010169446 20100430

Probable Assignee: GUANGZHOU BISHENG PATENTED TECHNOLOGY DEV CO LTD

Assignee(s): (std): GUANGZHOU BISHENG PATENTED TECHNOLOGY DEV CO LTD

Assignee(s): GUANGZHOU BISHENG PATENTED TECHNOLOGY DEVELOPMENTCO

Inventor(s): (std): WENHUA OUYANG ; SHENGPENG JIANG

Inventor(s): OUYANG WENHUA ; JIANG SHENGPENG

Title: METHOD FOR CONSTRUCTING CEILING OF BUILDING, INVOLVES PROVIDING HORIZONTAL SURFACE BY FORMWORK ELEMENTS, PRODUCING CEILING BY CASTING CONCRETE ON SURFACE, AND HARDENING CONCRETE, WHERE ELEMENTS ARE FORMED FROM HARD FOAM PLATES

Abstract: The method involves providing a horizontal surface by formwork elements for casting a ceiling. The ceiling is constructed by casting concrete (9) on the horizontal surface, and the cast concrete is hardened, where the formwork elements are formed from heat-insulating hard foam plates (1). Foils or sheets (2) made of plastic are attached to the hard foam plates before casting the concrete, where the sheets are relatively thin. The formwork elements are connected with the foils or sheets in a form-fit manner. Intermediate space between the foils or sheets is covered with an adhesive tape. An independent claim is also included for a system for constructing a ceiling.

Classifications:

International (IPC 8-9): E04G11/48 E04G9/05 (Advanced/Invention)

CPC: E04G11/38 E04G9/10 E04G9/05

European: E04G11/48 E04G9/05 E04G9/10

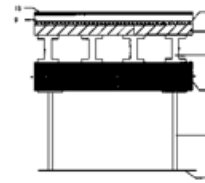


Fig. 1

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Family:

Publication number	Publication date	Application number	Application date
DE102009028741 A1	20110224	DE200910028741	20090820

Priority:

DE200910028741 20090820

Probable Assignee: OTTO WULFF BAUUNTERNEHMUNG GMBH AND CO KG

Assignee(s): (std): OTTO WULFF BAUUNTERNEHMUNG GMBH AND CO KG

Inventor(s): (std): VOIGT WOLFGANG

9) Family number: 58131816 (NL1037005C)

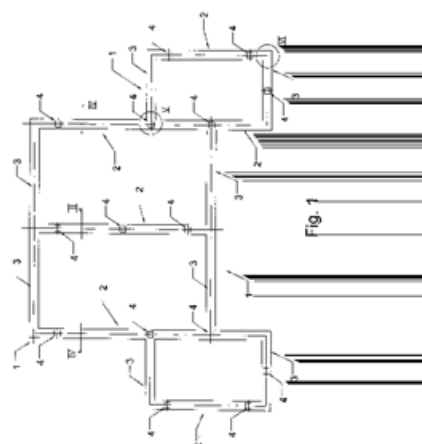
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Title: PREFAB BALKSYSTEEM.

Classifications:

International (IPC 8-9): E02D27/01 E02D27/02 (Advanced/Invention)

CPC: E02D27/01 E02D27/02



1037005

Family:

Publication number	Publication date	Application number	Application date
NL1037005 C	20101130	NL20091037005	20090529
NL1037005 C2	20101130	NL20091037005	20090529

Priority:

Probable Assignee: BRUIJS JACOBUS WILHELMINA MARIA
Assignee(s): (std): BRUIJS JACOBUS WILHELMINA MARIA
Inventor(s): (std): BRUIJS JACOBUS WILHELMINA MARIA

10) Family number: 42926835 (WO09053805A2)

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Title: PANEL AND COMPOSITE PANEL FOR CONSTRUCTING A BUILDING

Abstract: A panel (10, 50) for use in construction, in particular for constructing a building, comprises a panel body (12, 52), made in particular of an insulating material, especially a plastic material, preferably an expanded material such as expanded polystyrene. The panel body comprises a first and a second portion (12a, 12b; 52a, 52b) extending at an angle to each other.

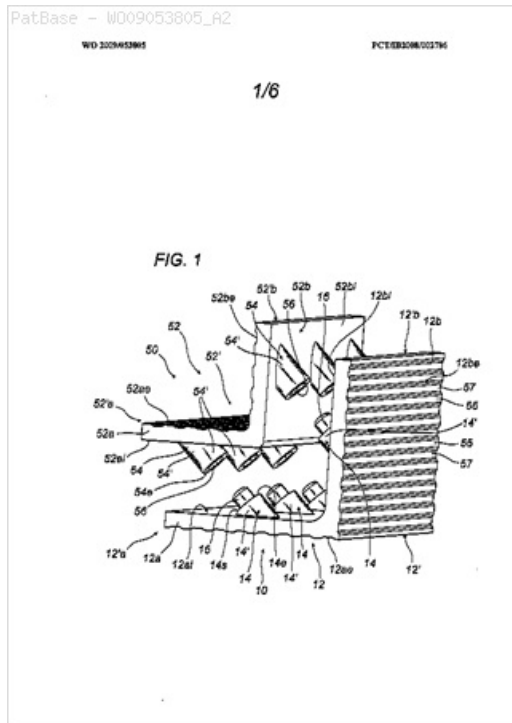
Classifications:

International (IPC 8-9): E04B2/86 (Advanced/Invention);
 E04B2/86 (Core/Invention)

International (IPC 1-7): E04B2/84 E04C2/20 E04C2/288 E04C2/38

CPC: E04B2/845 E04B2/847 E04B2/8623 E04B2002/867

European: E04B2/84P2 E04B2/84P3

**Family:**

Publication number	Publication date	Application number	Application date
AR069278 AA	20100113	AR2008P104593	20081022
ITBO20070712 A1	20090424	IT2007BO00712	20071023
WO09053805 A2	20090430	WO2008IB02786	20081020
WO09053805 A3	20091210	WO2008IB02786	20081020

Priority:

IT2007BO00712 20071023

Probable Assignee: CANDIRACCI ANGELO**Assignee(s):** (std): CANDIRACCI ANGELO**Inventor(s):** (std): CANDIRACCI ANGELO**Agent(s):** FANZINI VALERIANO

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 MT 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 ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

11) Family number: 34084990 (EP1741840A3)

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Title: SUPPORT ARRANGEMENT

Abstract: A support arrangement for use with a foundation raft formed of a settable material, the support arrangement comprising: a base member (12); a support member (11) arranged at substantially 90 degrees with respect to the base member (12) such that, in use, the support member (11) is adjacent the foundation raft; and a cavity forming member which, together with the base and support members (11,12), forms a cavity (21) into which a settable material can be placed in use; and a plurality of support ties connected to the base member (12) and extending from one side of the support member to the other side of the support member for, in use, engagement with the foundation raft.

Classifications:

International (IPC 8-9): E02D27/02 E04B2/56 E04B5/32

E04G13/00 (Advanced/Invention);

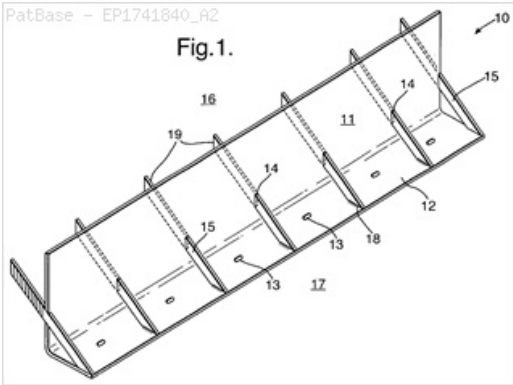
E04B2/56 E04B5/32 (Advanced/Non-invention);

E02D27/02 E04G13/00 (Core/Invention);

E04B2/56 E04B5/32 (Core/Non-invention)

CPC: E02D27/013 E04G13/00 E02D27/02 E04B2002/565

E04B2005/322



Family:

Publication number	Publication date	Application number	Application date
DE602006047132 D1	20151217	DE200660047132T	20060704
EP1741840 A2	20070110	EP20060116543	20060704
EP1741840 A3	20071212	EP20060116543	20060704
EP1741840 B1	20151104	EP20060116543	20060704
GB200513677 A0	20050810	GB20050013677	20050704
GB2427881 A1	20070110	GB20050013677	20050704
GB2427881 B2	20101103	GB20050013677	20050704

Priority:

GB20050013677 20050704 EP20060116543 20060704

Probable Assignee: ABBEY PYNFORD HOLDINGS PLC

Assignee(s): (std): ABBEY PYNFORD HOLDINGS LTD ; ABBEY PYNFORD HOLDINGS PLC

Assignee(s): ABBEY PYNFORD HOLDINGS LTD HEMEL HEMPSTEAD

Inventor(s): (std): KISS PAUL

Inventor(s): KISS PAUL KINGS LANGLEY ; PAUL KISS

Agent(s): FITCHETT STUART PAUL

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 MK NL PL PT RO SE SI SK TR YU