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1) Family number: 6104004 (DD289793A)

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Title: MEDIENSCHACHT, INSBESONDERE FÜR DEN WOHNUNGSBAU MEDIA TRAY, IN PARTICULAR FOR HOUSING (Machine translation)

Abstract: Source: DD289793A [DE] [Source: Claim 1] 1. Medienschacht, insbesondere für den Wohnungsbau, bestehend aus zusammensetzbaren Schachtelementen, die Leitungsführungen für Kalt-, Warm- und Gebrauchswasser sowie für die Entlüftungstechnik mit entsprechenden Sperrorganen aufnehmen, die durch mindestens eine Revisionsöffnung zugänglich sind, gekennzeichnet dadurch, dass jedes Schachtelement als eine in sich stabilisierte, von Wohnbereichen unabhängige Etageinheit mit raumumschließenden, tragfähigen Wänden (2,9) ausgeführt ist und dass in dem für die Ver- und Entsorgung vorgesehenen Vertikalbereich für jede das jeweilige Medium aufnehmende Leitungsführung ein Formstück (4,5) mit mehreren wahlweise verschließbaren horizontalen Abzweigen für die Wohnbereichsanschlüsse vorgesehen ist.

Machine translation: [Source: claim 1] 1 media Bay, in particular for housing, consisting of modular shaft elements, the cable guides for cold - and warm - and used water as well as for the ventilation technology with appropriate organs of the lock record, by at least one opening available, indicated that each shaft element as a stabilized in itself, independent of residential floor unit with space-enclosing, viable walls (2.9) is carried out and that in the vertical range intended for the supply and disposal for any wiring taken on the respective medium a shape pieces (4.5) with several optional lockable horizontal branches for the living area ports is provided.

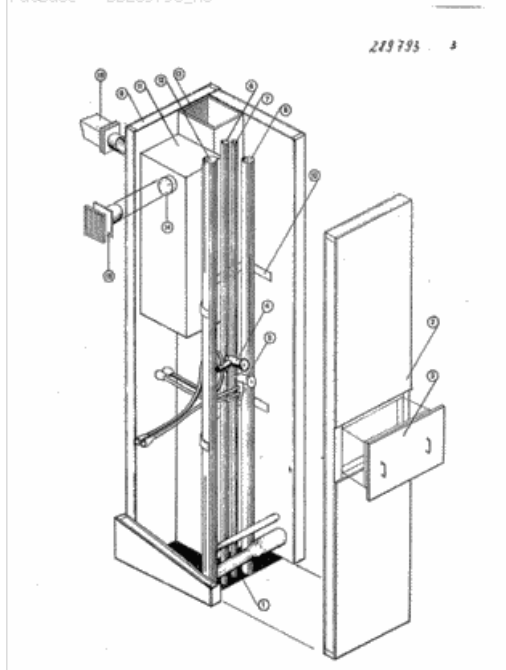
Classifications:

International (IPC 8-9): E04F17/08 (Advanced/Invention);

E04F17/00 (Core/Invention)

International (IPC 1-7): E04F17/08

PatBase - DD289793_A5

**Family:**

Publication number	Publication date	Application number	Application date
DD289793 A5	19910508	DD19890335385	19891208

Priority:

DD19890335385 19891208

Probable Assignee: BAUHAUS DESSAU

Assignee(s): (std): BAUHAUS DESSAU

Assignee(s): BAUHAUS DESSAU DE ; BAUHAUS DRESDEN DE

Inventor(s): (std): KLEINE HELMUT ; MEYER BERND

Inventor(s): MEYER BERND DE ; KLEINE HELMUT DE

Title: EXTENDABLE SLEEVE FOR POURED CONCRETE DECK

Abstract: A tubular passage for poured concrete decks has an intumescent tube held in a two-part, clamshell base by a bottom clip. A first tube engages the base's top to clamp a funnel shaped, diaphragm seal to the base. The first tube has spaced, radially extending, parallel ridges at predetermined distances from the base. Longitudinal channels separate the ridges. An extension tube has inward extending lugs passing along the channels to engage various ridges when rotated to fix the passage length. The extension engages the base bottom for corrugated deck supports. A cap with repositionable, locating filaments closes either tube.

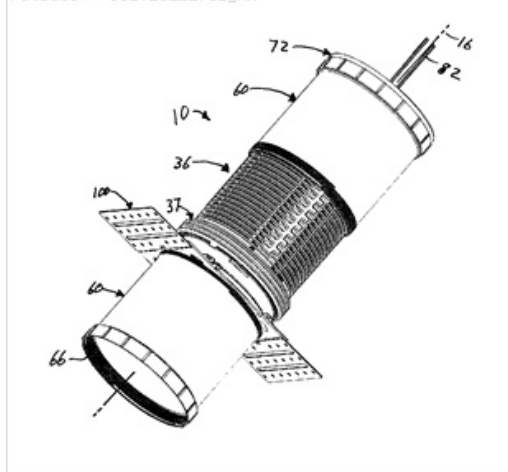
Classifications:

International (IPC 8-9): A62C2/06 E04B1/94 E04B5/36 E04B5/48 E04C2/52 E04F17/08 E04F21/20 F16L5/04 F16L5/10 H02G3/04 (Advanced/Invention)

CPC: H02G3/0412 E04B5/48 F16L5/04 F16L5/10 A62C2/065 E04B1/941 E04B1/946 E04B1/947 H02G3/22 E04F17/08 E04G15/061 E04B5/326

US: 1/1 52/232

PatBase - US2015121782_AA



Family:

Publication number	Publication date	Application number	Application date
CA2875433 AA	20150810	CA20142875433	20141219
US2015121782 AA	20150507	US20130072650	20131105
US2015121783 AA	20150507	US20140177125	20140210
US9103116 BB	20150811	US20140177125	20140210

Priority:

US20130072650 20131105 US20140177125 20140210

Probable Assignee: RELIANCE WORLDWIDE CORP

Assignee(s): (std): SECURUS INC

Assignee(s): PRICE DARRELL W ; RELIANCE WORLDWIDE CORP ; BROWN LARRY D ; HART DENNIS L ; MCCONNELL TIMOTHY M ; O NEIL VIRGIL

Inventor(s): (std): BROWN LARRY D ; MCCONNELL TIMOTHY M ; O NEIL VIRGIL ; HART DENNIS L

Inventor(s): PRICE DARRELL W

Agent(s): GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; LOWELL; STETINA BRUNDA GARRED AND BRUCKER

Title: UNIVERSALLY ADAPTABLE PREFABRICATED BUILDING ELEMENTS - WITH LOAD BEARING SERVICING AND WASTE-DISPOSAL FUNCTIONS SYSTEMATICALLY COMBINED BEFORE INFILLING SKELETON

Abstract: The structure allows extensive variation in planning and subsequent variability in the area of the secondary structure and thus a freely selected arrangement of interior space, and which reduces the costs esp. of service and waste-disposal provision. In prefabrication the individual elements are formed in such a way that when they are assembled the functions of load bearing support, supply servicing and drainage servicing are systematically related to one another and spatially comprised together, with the skeleton being filled out after assembly. Load bearing sets of elements may be prefabricated, which embrace the predetermined groups of servicing and disposal fittings, and ducts or pipes for these purposes may be firmly integrated in columns, which may also have fire-screening sheathings, and wall and ceiling and other elements may be similarly fitted.

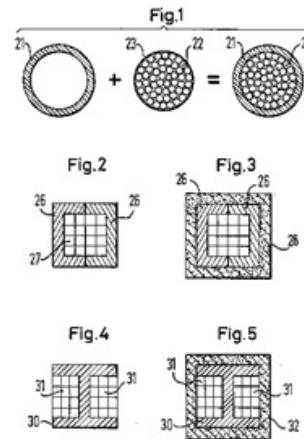
Classifications:

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International (IPC 1-7): E03B7/04 E03C1/00 E03C1/122 E04B1/00 E04F17/08 E04H1/02

CPC: E04B1/0023 E04F17/08

European: E04B1/00C E04F17/08

**Family:**

Publication number	Publication date	Application number	Application date
DE2432417 A1	19760122	DE19742432417	19740705
FR2277212 A1	19760130	FR19750021020	19750704

Priority:

DE19742432417 19740705

Probable Assignee: BRANDI ENTWICKLUNGS GMBH**Assignee(s):** (std): BRANDI ENTWICKLUNGS GMBH**Assignee(s):** BRANDI ENTWICKLUNGSGESELLSCHAFT ; BRANDI ENTWICKLUNGSGESELLSCHAFT MBH 1000 BERLIN**Inventor(s):** (std): BRANDI JOCHEN ; SCHWANITZ PETER ; VIEHWEGER KURT**4) Family number: 68579094 (WO18029073A1)**

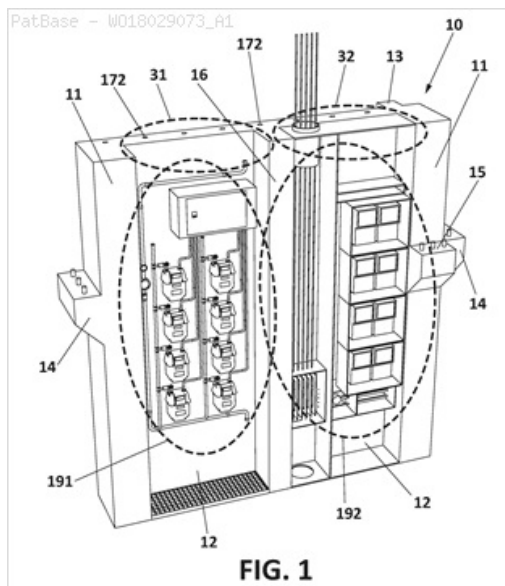
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Title: CONSTRUCTION MODULE

Abstract: A precast reinforced concrete module (10, 20) is provided. It comprises a concrete wall (12); two longitudinal nerves (11) disposed each of them at an end of said concrete wall (12), said concrete wall (12) extending between said longitudinal nerves (11), said nerves (11) being configured for supporting vertical and horizontal efforts; engagement means (17; 171, 172, 173) for mechanical connection with another module (10, 20) forming a vertical wall; and supporting means (14, 15) mounted on said longitudinal nerves (11). The module also comprises at least one building service installation element (191, 192, 193, 194) preinstalled on said concrete wall (12) in at least one recess (31, 32) made along said concrete wall (12), said at least one building service installation element (191, 192, 193, 194) comprising at least one free ends for the connection with at least one building service installation element (191, 192, 193, 194) preinstalled on another module (10, 20). A construction wall formed by several modules (10, 20) is also provided. A rigid core assembly formed by several modules is also provided.

Classifications:

International (IPC 8-9): E03B7/07 E04B1/00 E04B1/04 E04B1/34 E04B1/348 E04C2/52 E04F17/08 H02G3/00 (Advanced/Invention)
CPC: E04B1/0023 E04B1/04 E04B1/34 E04B1/34869 E04C2/044 E04C2/521 E04F17/08

**Family:**

Publication number	Publication date	Application number	Application date
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CL2019000327 A1	20190517	CL20190000327	20190207
CO20190001144 A2	20190219	CO20190001144	20190207
EP3282061 A1	20180214	EP20160382393	20160808
WO18029073 A1	20180215	WO2017EP69652	20170803

Priority:

EP20160382393 20160808 WO2017EP69652 20170803

Probable Assignee: FUNDACION TECNALIA RES AND INNOVATION

Assignee(s): (std): FUNDACION TECNALIA RES AND INNOVATION

Assignee(s): FUNDACION TECNALIA RESEARCH AND INNOVATION

Inventor(s): (std): CALDERON URISZAR ALDACA INIGO ; ARAMBURU IBARLUCEA AMAIA

Agent(s): JORGE GARAY PEREZ; BALDER IP LAW SL

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 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

5) Family number: 1128101 (US3871146A)

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Title: CONSTANT MODULE SYSTEM

Abstract: A modular construction system comprised of a plurality of modular constructional units which are capable of being linked to similar modules in order to form a chain or constructed assembly thereof. The modular units are formed or constructed with similar modular segments each having a pair of opposed frame-like members with a connecting substrate extending therebetween. End and side enclosure panels may be connected to the constructed unit. These units may be used in the construction of structural members such as buildings or bridges, or as containers for transport of cargo or in other applications.

Classifications:

International (IPC 8-9): E01D1/00 E04B1/348 (Advanced/Invention);

E04B1/35 (Advanced/Non-invention);

E01D1/00 E04B1/348 (Core/Invention);

E04B1/35 (Core/Non-invention)

International (IPC 1-7): E04B1/348 E04F17/08

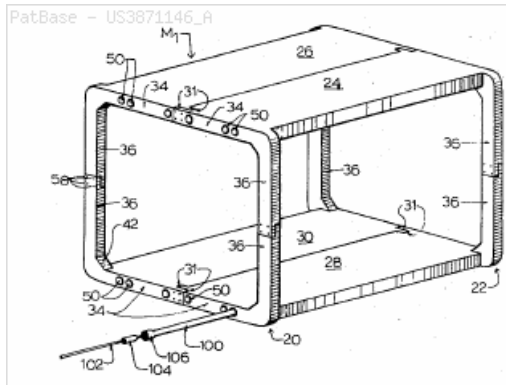
CPC: E01D1/00 E01D2101/30 E01D2101/34 E01D2101/40

E04B1/34815 E04B2001/3583

European: E01D1/00 E04B1/348C P01D101/30 P01D101/34

P01D101/40 P04B1/35T

US: 52/223.5 52/223.9 52/606 52/610 52/79.13 52/79.7 52/790 D25/4



Family:

Publication number	Publication date	Application number	Application date
US3871146 A	19750318	US19740450745	19740313

Priority:

US19700044012 19700608 US19720276163 19720728 US19740450745 19740313

Probable Assignee: TREBRON HOLDINGS LTD

Assignee(s): (std): TREBRON HOLDINGS LTD

Inventor(s): (std): HAMY NORBERT

6) Family number: 34119168 (US2008169290A)

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Title: IN-WALL WASTE RECEPTACLES FOR HOSPITAL AND LABORATORY ENVIRONMENTS

Abstract: A trash receptacle comprising an entrance in a wall adapted to receive a disposable, lightweight, and preferably plastic cartridge is disclosed. The cartridge is adapted to dispose its center of gravity in a manner that maintains the cartridge within the wall entrance under its own empty weight. The cartridge may further receive a disposable bag to maintain sterility. The bag can be held in place by a sealing device, such as an O-ring, which, in one embodiment, snaps over said bag onto said cartridge, said O-ring or other sealing device preferably color-coded to indicate the type of waste to be disposed in said cartridge. The cartridge is also adapted to receive a plug to allow disposal of sharps. If a bag breaks, the cartridge may be sealed and disposed of, thereby maintaining a sanitary and sterile environment. The receptacles may be arrayed in a wall, thereby providing a convenient waste disposal system that does not interfere with critical working space.

Classifications:

International (IPC 8-9): A46B15/00 A47L A47L11/00 A47L11/204

A47L11/282 A47L11/30 A47L11/40 A47L5/00 A47L7/02 A47L9/00

A47L9/28 A61B A61B1/00 A61B1/06 A61B17/00 A61B19/00

A61B19/02 A61B50/13 A61B50/36 A61G10/00 A61G12/00

A61G13/00 A61G13/02 A61G13/06 A61G13/10 A61L2/16 B01L

B01L1/00 B01L1/02 B08B7/04 B62B5/00 B65B29/00 B65D25/14

B65D25/24 B65D81/20 B65F B65F1/00 B65F1/06 B65F1/14

E01F13/00 E01F15/00 E04B E04B5/43 E04B5/48 E04C E04C2/52

E04C3/29 E04F17/08 F21S10/00 F21S10/02 F21S2/00 F21S8/00

F21S8/02 F21S8/06 F21V14/00 F21V21/02 F21V21/15 F21V23/04

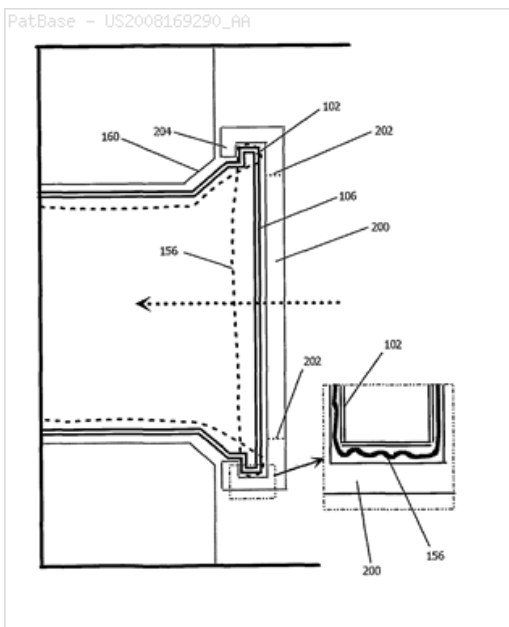
G01S3/00 G02B G02B7/04 G06F19/00 G06K G06K7/08 H02G3/08

H02G3/18 H04Q7/20 H05B37/02 (Advanced/Invention);

F21W131/205 F21Y101/00 (Advanced/Non-invention);

A46B15/00 A47L11/00 A47L5/00 A47L7/00 A47L9/00 A47L9/28

A61B17/00 A61B19/00 A61G10/00 A61G12/00 A61G13/00 A61L2/16
B08B7/04 B65B29/00 B65D25/14 B65D25/20 B65D81/20 B65F1/04
B65F1/14 E01F13/00 E01F15/00 E04C2/52 E04C3/29 F21S2/00
F21S8/00 F21S8/02 F21V14/00 F21V21/02 G02B7/04 G06K7/08
H04Q7/20 (Core/Invention);
A47L A61B B01L B65F E04B (Subclass/Invention)
International (IPC 1-7): A47L5/00 A61G13/06 B65D25/24 E04C3/29
F21S8/00 F21S8/02
CPC: E01F13/046 H02G3/185 A61G13/02 A61G13/06 A61G13/107
A61G10/00 H05B47/19 A47L11/302 A47L11/40 A47L2201/00
A61B50/13 A61B50/36 A61B50/362 A61B90/30 A61B2034/2051
A61B2050/005 A61B2050/314 B01L1/50 B65F1/0093 B65F1/06
E04B5/48 H01R13/005 H01R27/02 A61B90/35
European: A47L11/30B A47L11/40 A61B19/02R A61B19/02R2
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T01R27/02
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280/29 280/29S 362/147 362/230 362/235 362/249.02 362/249.16
362/311.01 362/311.02 362/311.13 362/319 362/319P 362/386
362/386S 362/572 362/572P 362/576 422/28 422/28S 5/600 5/611
5/611P 5/616 5/620 5/620S 52/220.1 52/220.100P 52/220.8
52/220.800P 600/249 600/249P 606/1 606/1P 901/1 901/1S



Family:

Publication number	Publication date	Application number	Application date
AU2006269913 AA	20070125	AU20060269913	20060720
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AU2006269915 AA	20070125	AU20060269915	20060720
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WO07012045 A2	20070125	WO2006US28234	20060720
WO07012045 A3	20070816	WO2006US28234	20060720
WO07037792 A2	20070405	WO2006US28228	20060720
WO07037792 A3	20071122	WO2006US28228	20060720
WO08011221 A2	20080124	WO2007US69650	20070524
WO08011221 A3	20080502	WO2007US69650	20070524

Priority:

US20050701106	20050720	US20050701106P	20050720	EP20060788006	20060720
EP20060788013	20060720	JP20080522963	20060720	EP20060836089	20060720
US20060996026	20060720	US20060996018	20060720	US20060996038	20060720
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US20060996043	20060720	US20060028224	20060720	WO2006US02822	20060720
WO2006US28233	20060720	WO2006US28225	20060720	WO2006US28232	20060720
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WO2006US28228 20060720 WO2007US69650 20070524 US20070374584 20070524
US20080996038 20080206 US20080996018 20080206 US20100779516 20100513
US20100794987 20100607

Probable Assignee: OPTIMUS LICENSING AG

Assignee(s): (std): MANGIARDI JOHN R ; OPTIMUS LAJSENSING AG SN ; OPTIMUS LAJSENSING SN AG ; OPTIMUS LICENSING AG ; OPTIMUS SERVICES AG ; OPTIMUS SERVICES LLC ; OPTIMUS SERVISIZ EHLEHLSI

Assignee(s): POD SUPPLIERS LLC

Inventor(s): (std): MANGIARDI JOHN ; MANGIARDI JOHN R ; MANDZHARDI DZHON R ; MANGIARDI JOHN R

Inventor(s): MANGIARDI JOHN R GREENWICH ; JOHN R MANGIARDI

Agent(s): PHILLIPS ORMONDE FITZPATRICK; SIM AND MCBURNEY; MANITZ FINSTERWALD AND PARTNER GBR; PATENT U RECHTSANWAELTE PFISTER AND PFISTER; MORGAN JAMES GARNET; MANITZ GERHART; DE ELZABURU ALBERTO; ISERN JORGE; WILKINSON AND GRIST; KANGXIN PARTNERS PC HONG KONG KONG LTD; FULYA SUEMERALP; HUNTON AND WILLIAMS NEW YORK INTELLECTUAL PROPERTY DEPT; DECHERT LLP; HUNTON AND WILLIAMS LLP; BUCKLEY MASCHOFF AND TALWALKAR LLC; RZUCIDLO EUGENE C

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 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 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 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 YU ZA ZM ZW

7) Family number: 18781237 (US3906686A)

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Title: Pre-assembled utility module

Abstract: A self-contained pre-assembled utility module having plumbing, electrical and heating components positioned in place therein and adapted to be operatively connected to the plumbing, electrical and utility supply lines of a multistory building whereby installation of the utility module and connection with the main utility supply lines of the building at the construction site are accomplished with minimal loss of time. The module is completely pre-assembled, and includes a floor slab, side walls and all utility connections so that all that is required at the building site is connection with the main utility supply lines. The module also is of such a dimension that the floor slab effectively spans the distance between the main load-bearing walls of the building and when assembled in place, becomes a structurally integral part of the overall building.

Classifications:

International (IPC 8-9): B66B13/06 B66B13/30 B66B7/00 E04B1/348 E04B1/38 E04C2/52 E04F17/00 E04F17/08

E04G1/34 (Advanced/Invention);

B66B13/02 B66B13/30 B66B7/00 E04B1/348 E04B1/38 E04C2/52 E04F17/00 E04G1/00 (Core/Invention)

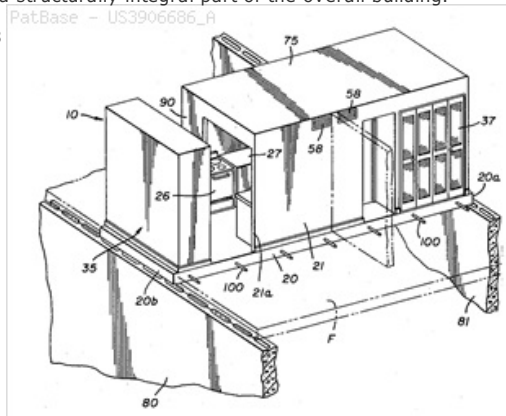
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CPC: B66B11/0005 E04B1/34869 E04B1/34823

European: E04B1/348C2 E04B1/348D

US: 52/126.1 52/236.3 52/259 52/262 52/30 52/79 52/79.14 52/79.9



Family:

Publication number	Publication date	Application number	Application date
AU197242093 A1	19731115	AU19720042093	19720510
AU466882 A1	19751113	AU19720042093D	19720510
AU466882 B2	19751113	AU19720042093	19720510
BR7202955 A0	19730614	BR19720002955	19720511
CA968112 A1	19750527	CA19720142072	19720510
DE2222983 A1	19721214	DE19722222983	19720510
DE7217783 U	19760715	DE19720017783U	19720510
FR2137760 A1	19721229	FR19720016791	19720510
FR2137760 B1	19750801	FR19720016791	19720510
FR2137760 B3	19750801	FR19720016791	19720510
GB1393154 A	19750507	GB19720021973	19720510
IL39435 A0	19720726	IL19720039435	19720512
IL39435 A1	19760331	IL19720039435	19720512
IL46042 A1	19760331	IL19720046042	19720512
IT960496 A	19731120	IT19720050191	19720510
JP1226036 C3	19840831	JP19770160941	19771228
JP53036250 B4	19781002	JP19720046836	19720511
JP53119543 A2	19781019	JP19770160941	19771228
JP59001667 B4	19840113	JP19770160941	19771228
US3906686 A	19750923	US19740505538	19740913
US3991528 A	19761116	US19730351016	19730413

Priority:

US19710142526 19710512 US19710142644 19710512 US19730351016 19730413
US19730363191 19730523 US19740505538 19740913

Probable Assignee: FCE DILLON INC

Assignee(s): (std): FCE DILLON INC ; FCE OILLOM INC

Assignee(s): FCE DILLON INC AKRON OHIO V ST A ; FEATURE RING CO INC ; DILLON THOMAS J ; EFU SHII II JIRON INC ; FCE DILLON

Inventor(s): (std): TOOMASU JOSEFU JIRON ; TOOMASU JIYOSEFU JIRON ; JOSEPH DILLIN THOMAS ; DILLON THOMAS J

Inventor(s): THOMAS J DILLON ; DILLON T
Agent(s): REINHOLD COHN AND PARTNERS

8) Family number: 32366245 (WO05103403A1)

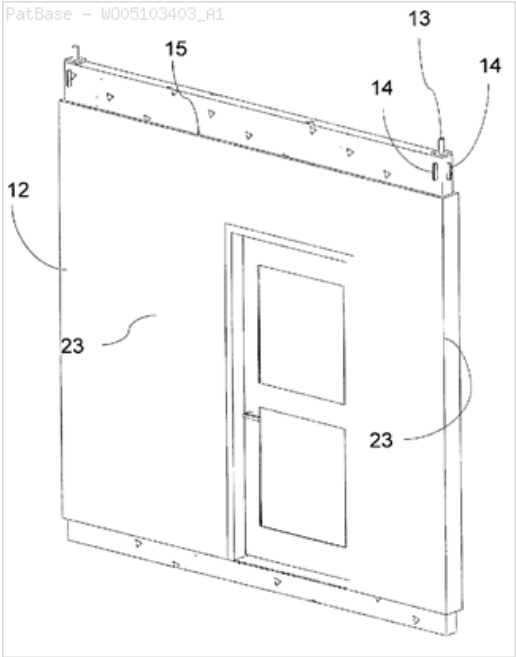
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Title: MULTI-STOREY BUILDING

Abstract: The invention relates to a multistorey building comprising premanufactured building elements. The building elements comprise premanufactured heavy wall elements (12) and premanufactured light weight floor structures (16), wherein essentially all wall elements (12), forming room separating walls, apartment separating walls and outer walls, are loadbearing.

Classifications:

International (IPC 8-9): E04B1/04 E04C2/04
E04F17/08 (Advanced/Invention);
E04B1/02 E04C2/04 E04F17/00 (Core/Invention);
E04B (Subclass/Invention)
International (IPC 1-7): E04B1/04 E04C2/04
CPC: E04F17/08 E04B1/04 E04C2/04
European: E04B1/04 E04C2/04 E04F17/08



Family:

Publication number	Publication date	Application number	Application date
EP1738039 A1	20070103	EP20050711068	20050216
NO20065316 A	20061120	NO20060005316	20061120
NO20065316 L	20061120	NO20060005316	20061120
SE200401051 A	20051021	SE20040001051	20040420
SE200401051 A0	20040420	SE20040001051	20040420
SE200401051 L	20051021	SE20040001051	20040420
SE526991 C2	20051129	SE20040001051	20040420
SE526991 E	20120229	SE20040001051	20040420
WO05103403 A1	20051103	WO2005SE00208	20050216

Priority:

SE20040001051 20040420 WO2005SE00208 20050216

Probable Assignee: NCC AB

Assignee(s): (std): ANDREASSON SVERKER ; ANHEIM FREDRIK ; BYFORS JAN ; JONSSON ROLF ; NCC AB ; SPARW NIKLAS ; WAHLSTROEM PETER

Inventor(s): (std): ANDREASSON SVERKER ; ANHEIM FREDRIK ; BYFORS JAN ; JONSSON ROLF ; SPARW NIKLAS ; WAHLSTROEM PETER

Inventor(s): SVERKER ANDREASSON ; FREDRIK ANHEIM ; JAN BYFORS ; ROLF JONSSON ; NIKLAS SPARW ; PETER WAHLSTROEM

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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE 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

9) Family number: 28622289 (DE10110811A1)

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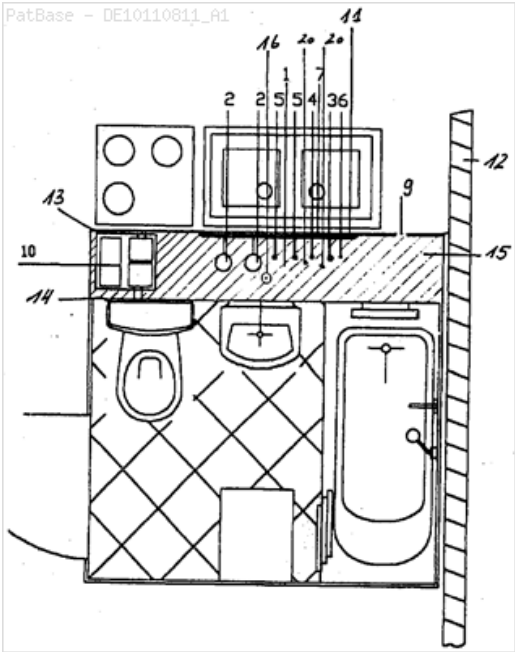
Title: Heat-cold insulation of house-wiring shafts in buildings fills up whole hollow space of house-wiring shafts or walls with drainage, water, heating and electrical lines or other shafts

Abstract: A heat-cold insulation of house-wiring shafts in buildings is described. As closed heat-cold insulation, it fills up the whole hollow space of the house-wiring shafts or walls (1) with the drainage, water, heating and electrical lines (2-6) or other shafts in buildings, preferably in multi-storey buildings. It consists of a complete filling of the hollow chamber bound by separating walls with insulation material (15). The mineral insulation in the hollow space of the house-wiring shafts can be installed at the same time as the house-wiring or can be blown in afterwards through blast opening (9) of the separating walls (13,14) that can be closed off. It surrounds the house-wiring completely.

Classifications:

International (IPC 8-9): E04B1/94 E04F17/08 (Advanced/Invention);
E04B1/94 E04F17/00 (Core/Invention)
International (IPC 1-7): E04B1/62 E04B1/74 E04B1/76 E04B1/82

E04B1/94 E04F17/08
CPC: E04B1/94 E04F17/08
European: E04B1/94 E04F17/08



Family:

Publication number	Publication date	Application number	Application date
DE10110811 A1	20011206	DE20011010811	20010306
DE20004265 U1	20010412	DE20002004265U	20000307
DE20007863 U1	20010111	DE20002007863U	20000427

Priority:

DE20002004265U 20000307 DE20002007863U 20000427 DE20011010811 20010306

Probable Assignee:

BOHL HARTMUT

Assignee(s): (std):

BOHL HARTMUT ; BOHN WINFRIED

Inventor(s): (std):

BOHL HARTMUT ; BOHN WINFRIED

10) Family number: 49731454 (US2017321415A)

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Title: CENTRAL CORE FOR A BUILDING

Abstract: A prefabricated core for a building with all services already built in. The core serves as: 1. the housing for all the home's mechanical, plumbing and electrical sources, and 2. a major structural support, providing three shear walls to the structure. This invention allows access to all of the services thus allowing for ease of maintenance and avoidance of collateral damage during renovations and remodeling.

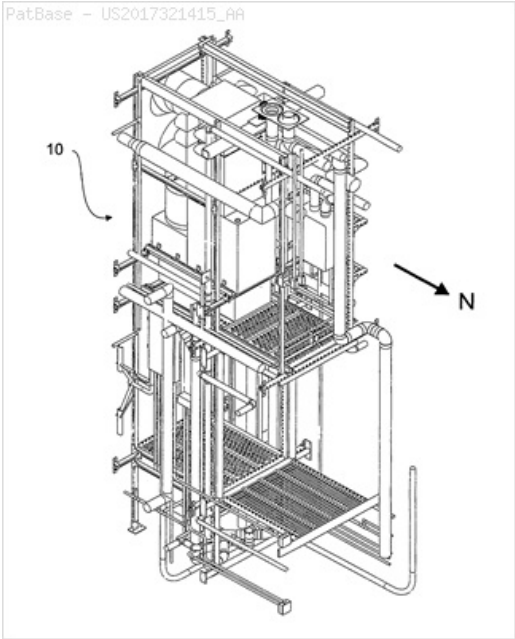
Classifications:

International (IPC 8-9): E04B1/00 E04B1/19 E04B1/24 E04B1/343 E04B1/348 E04B1/35 E04C2/52 E04F17/08 E04G21/00 E04G21/14 E04H1/00 E04H1/04 (Advanced/Invention)

CPC: E04B1/34869 E04B1/5831 E04F17/08 E04B1/34336 E04H1/04 E04B5/43 E04H1/005 E04H1/125 E04G21/142

European: E04B1/348D

US: 1/1 52/79.1



Family:

Publication number	Publication date	Application number	Application date
CA2735089 AA	20110929	CA20112735089	20110324
CA2735089 C	20151124	CA20112735089	20110324
US2017321415 AA	20171109	US20160221682	20160728
US9441357 BA	20160913	US20100748751	20100329

US9598853 BA	20170321	US20110070220	20110323
WO11126850 A2	20111013	WO2011US30359	20110329
WO11126850 A3	20111222	WO2011US30359	20110329
WO18022847 A1	20180201	WO2017US44108	20170727

Priority:

US20100748751 20100329 US20110070220 20110323 CA20112735089 20110324
US20160221682 20160728

Probable Assignee: IP FACTORS LLC

Assignee(s): (std): VAFAGE FARHAD ; VAFAGE FRANK

Assignee(s): IP FACTORS LLC ; VAFAGE FARHAD1155 S. ROBERTSON BLVD.LOS ANGELESCA90035US

Inventor(s): (std): VAFAGE FARHAD ; VAFAGE FRANK

Inventor(s): VAFAGE FARHAD1155 S. ROBERTSON BLVD.LOS ANGELESCA90035US

Agent(s): FETHERSTONHAUGH AND CO; RICHES MCKENZIE AND HERBERT LLP; BELASCO JACOBS AND TOWNSLEY LLP; NORTON R; TOWNSLEY NORTON R

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

11) Family number: 66408475 (US2019024364A)

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Title: MODULAR BUILDING STRUCTURE

Abstract: A modular building structure, obtained by assembling a plurality of module frames to obtain a complex frame is provided. The structure includes walls and floors implemented by cladding panels, and the module frames have a substantially parallelepiped shape. The structure includes connecting knots joining module frames adjacent on a same plane, on the lower side or upper side, at angles, or which provides for the connection of the module frames to a basement or to a roof structure. Each knot has a box-like structure with an inner core shaped like a hollow straight parallelepiped, formed by six walls facing two by two, each wall has an opening that form respective channels opened according to orthogonal axes. At each opening, the knot includes a corresponding supporting plate, parallel or orthogonal therebetween; each supporting plate, extending beyond the plane defined by one or more adjacent supporting plates, defines a respective rest.

Classifications:

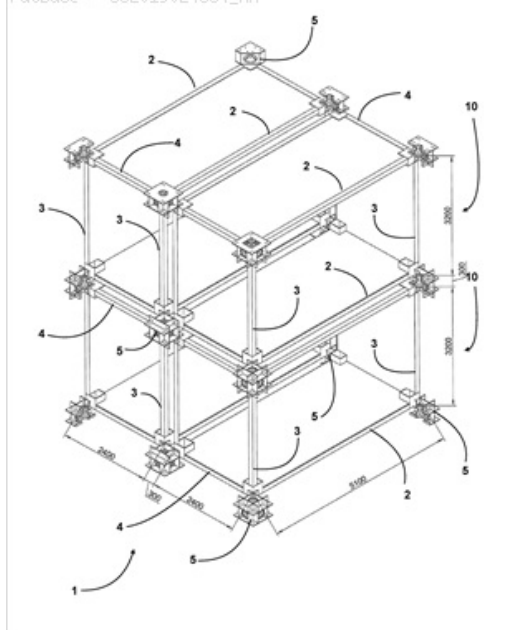
International (IPC 8-9): E04B1/19 E04B1/343 E04B1/348 E04F17/08 E04H1/00 E04H1/04 (Advanced/Invention); E04F17/08 (Advanced/Non-invention)

International (IPC 1-7): E04B1/348 E04F17/08

CPC: E04B1/34315 E04B1/34384 E04B1/3483 E04F17/08 E04H1/005 E04H1/04 E04B1/1912 E04B2001/1957

US: 1/1 52/79.1

PatBase - US2019024364_AA



Family:

Publication number	Publication date	Application number	Application date
AU2016386336 AA	20180726	AU20160386336	20161223
BR112018014361 A2	20181218	BR20181114361	20161223
CA3011319 AA	20180712	CA20163011319	20161223
CN108779637 A	20181109	CN201680078781	20161223
DE602016021065 D1	20191010	DE201660021065T	20161223
EA034315 B1	20200128	EA20180091616	20161223
EA201891616 A1	20181228	EA20180091616	20161223
EP3402934 A1	20181121	EP20160836096	20161223
EP3402934 B1	20190918	EP20160836096	20161223
ITUB20169951 A1	20170713	IT2016UB09951	20160113
JP2019507254 T2	20190314	JP20180536237T	20161223
KR20180103103 A	20180918	KR20187022991	20161223
PL3402934 T3	20200331	PL20160836096T	20161223
TR201917661 T4	20191223	TR20190017661T	20161223
US2019024364 AA	20190124	US20160068777	20161223
US10458114 BB	20191029	US20160068777	20161223
WO17122070 A1	20170720	WO2016B57968	20161223

Priority:

Probable Assignee: EMMEALLAENNE SRL

Assignee(s): (std): EMMEALLAENNE S R L ; LESTINI FEDERICO ; POFI LUCA

Assignee(s): EMMEALLAENNE SRL

Inventor(s): (std): LUCA POFI ; FEDERICO LESTINI ; LESTINI FEDERICO ; POFI LUCA

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; FETHERSTONHAUGH AND CO; LEONE MARIO; YASEMIN KENAROGLU; YASEMIN KENAROGLU LEVENT MAH CAMLIK CAD MANOLYALI SOK NO 3 BESIKTAS ISTANBUL; VOLPE AND KOENIG PC; LEONE MARIO 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 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

12) Family number: 17891500 (DE19921990A1)

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Title: HOUSE FOUNDATION WALL UTILITY SUPPLIES ACCESS FRAME SIMPLIFIES CONNECTION OF STANDARD HOUSEHOLD UTILITY SUPPLY PIPES AND CONDUITS

Abstract: A house foundation wall has a utility access aperture which is fitted with a base plate (5,5') within a main frame (2). The base plate has pipe fittings which are transverse to the main plane (11) of the base plate, and whose position is adjustable. The position of the main base plate is adjustable within the frame.

Classifications:

International (IPC 8-9): E04F17/08 F16L5/00

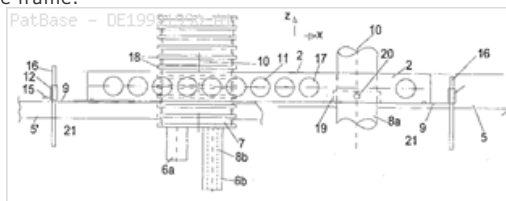
F16L5/02 (Advanced/Invention);

E04F17/00 F16L5/00 (Core/Invention)

International (IPC 1-7): E04F17/08 F16L5/00

CPC: F16L5/14 H02B1/303 H02B1/305 H02G3/22 E04F17/08 F16L5/00

European: E04F17/08 F16L5/14



Family:

Publication number	Publication date	Application number	Application date
DE19921990 A1	20001116	DE19991021990	19990512
DE19933385 A1	20010125	DE19991033385	19990721

Priority:

DE19991021990 19990512 DE19991033385 19990721

Probable Assignee: STRAUB HANS

Assignee(s): (std): STRAUB HANS

Inventor(s): (std): STRAUB HANS

13) Family number: 29152522 (DE20309152U1)

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Title: WOODEN MODULAR HOUSE HAS FOUNDATION COMPONENT PREFABRICATED FROM WATER-TIGHT CONCRETE AND CONSTRUCTED AS SUPPORT ELEMENT FOR SELF ALLEVIATING AND LOAD ALLEVIATING INSULATING CORE AND PART OF FLOOR OF GROUND STORY

Abstract: The wooden modular house has a foundation component (21) prefabricated from water-tight concrete and is constructed as a support element for a self and load alleviating insulating core and a part of the floor of the ground story, and as an interconnection point for all supply and disposal lines and as well as wire connected communication connections of the house. All the installation connections to the core are constructed to correspond to the latter's connections.

Classifications:

International (IPC 8-9): E02D27/46 E03B3/02 E04B1/00

E04F17/08 (Advanced/Invention);

E02D27/32 E03B3/00 E04B1/00 E04F17/00 (Core/Invention)

International (IPC 1-7): E02D27/46 E03B3/02 E04B1/00 E04F17/00

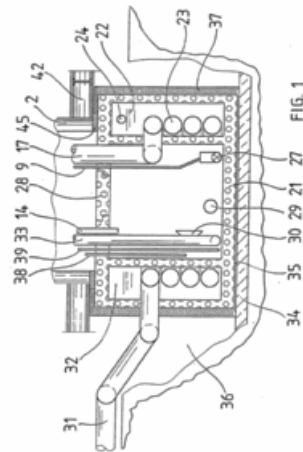
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CPC: Y02A20/108 E02D27/46 E03B3/02 E04B1/0007 E04F17/08

European: E02D27/46 E03B3/02 E04B1/00B E04F17/08

12.02.03

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DE 203 09 152 U1

Family:

Publication number	Publication date	Application number	Application date
DE20309152 U1	20031023	DE20032009152U	20030612

Priority:

DE20032000175U 20030103 DE20032009152U 20030612

Probable Assignee:

ADRIAANS RICHARD

Assignee(s): (std):

ADRIAANS RICHARD

14) Family number: 29152523 (DE20309153U1)

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Title: WOOD SYSTEM HOUSE HAS UTILITY CORE LOCATED CENTRALLY IN BUILDING AND EXTENDING THROUGH ALL FLOORS, AND CONSISTING OF PREFABRICATED COMPONENT WITH SUPPORTING WOODEN CONSTRUCTION WITH INNER AND OUTER PANELLING AND INSULATED CAVITIES

Abstract: The wood system house has a utility core located centrally in the building and extending through all floors, and consisting of a prefabricated component with a supporting wooden construction (2) with an inner and outer panelling (3) and insulated cavities. The outer panelling forms a part of the room walls (6), and within the utility core are installed ready to connect and ready to operate building services as well as a heating appliance (12) and a fuel store (13) for it.

Classifications:

International (IPC 8-9): E03B3/02 E04F17/00 E04F17/08 E04H1/00 F24H9/06 (Advanced/Invention);
E04B1/00 E04B1/26 (Advanced/Non-invention);
E03B3/00 E04F17/00 E04H1/00 F24H9/06 (Core/Invention);
E04B1/00 E04B1/26 (Core/Non-invention)

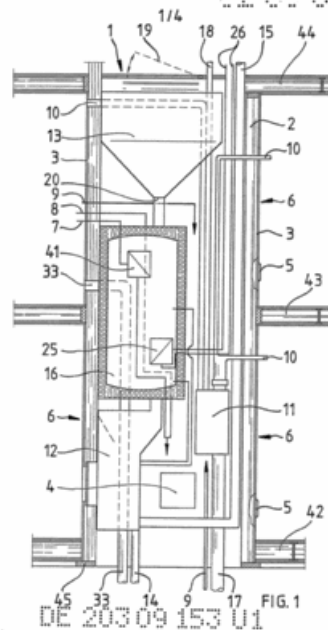
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European: E02D29/10 E03B3/02 E04F17/08 F24H9/06 P04B1/00B P04B1/26

PatBase - DE20309153_U1

02.02.03



DE 203 09 153 U1

Family:

Publication number	Publication date	Application number	Application date
DE20309153 U1	20031023	DE20032009153U	20030802

Priority:

DE20032000176U 20030103

DE20032009153U 20030802

Probable Assignee:

ADRIAANS RICHARD

Assignee(s): (std):

ADRIAANS RICHARD

15) Family number: 59579532 (CN104727528A)

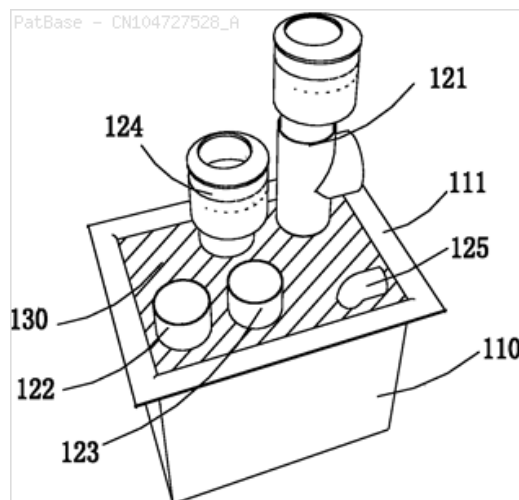
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Title: WATER SUPPLY AND DRAINAGE INTEGRATION MODULE AND WATER SUPPLY AND DRAINAGE SYSTEM OF BUILDING

Abstract: The invention provides a water supply and drainage integration module. The module comprises a module body and a preset pipeline. The module body comprises at least one side wall, a cylindrical frame is formed by the side walls, the preset pipeline is arranged in the cylindrical frame, and a filling material is arranged between the preset pipeline and the cylindrical frame. Thus, in the building construction process, people only need to install the water supply and drainage integration module in a preserved hole of each floor, then vertical pipes between upper floors and lower floors are installed, and according installation and connection of the vertical pipes in a building are achieved. The filling material can seal preserved holes, and sound-isolation and fireproof functions are achieved. Besides, the water supply and drainage integration module is sealed in a filling mode, the preserved holes do not need to be blocked in a cast-in-place mode, namely, site formwork erection, cast-in-place concrete, formwork removal and maintenance are not needed, and people only need to directly fix the water supply and drainage integration module into each preserved hole; besides, installation speed is very high, environment pollution is little, the number of accessories assembled on site is small, and the assembly workload is small.

Classifications:

International (IPC 8-9): E03C1/02 E03C1/12 E03C1/122 E04B1/94 E04F17/02 E04F17/08 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
■ CN104727528 A	20150624	CN201510148765	20150331

Priority:

CN201510148765 20150331

Probable Assignee:

CHINA MINSHENG ZHUYOU CO LTD

Assignee(s): (std):

CHINA MINSHENG ZHUYOU CO LTD

Assignee(s):

CHINA MINSHENG ZHUYOU CO

Inventor(s): (std):

PENG HAIHUI ; CHEN DINGQIU ; XIE JUN

16) Family number: 59579536 (CN204626537U)

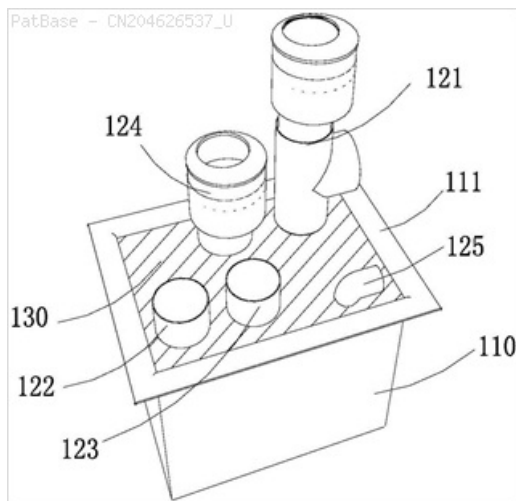
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Title: WATER SUPPLY AND SEWERAGE SYSTEM OF PLUMBING INTEGRATED MODULE AND BUILDING

Abstract: The utility model provides a pair of the plumbing integrated module includes the module body and presets the pipeline, it predetermines and is fixed in to preset the pipeline in the module body, the link that presets the pipeline is provided with coupling hose. Be provided with coupling hose, the butt joint that can realize presetting the pipeline enclosure effectively at the link that presets the pipeline. So, in the construction, the only need is installed the plumbing integrated module in the reservation entrance to a cave of every floor (like the equipment well head), then the installation of the riser between the floor about going on, has accomplished vertical duct's erection joint work in the building so promptly, lay for pipeline about traditional floor, it does not need cast-in-place shutoff to reserve the entrance to a cave, does not need on-the-spot formwork, cast in situ concrete, form removal and maintenance promptly, direct with the plumbing integrated module fix reserve the entrance to a cave can, but also the installation rate is very fast, environmental pollution is little, scene organization accessory is few, equipment work minimum.

Classifications:

International (IPC 8-9): E03C1/00 E03C1/02 E03C1/12 E03C1/122 E04B1/94 E04C1/39 E04F17/02 E04F17/08 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN104727530 A	20150624	CN201510149010	20150331
■ CN104727530 B	20180831	CN201510149010	20150331
■ CN204626537 U	20150909	CN201520189227U	20150331

Priority:

CN201510149010 20150331 CN201520189227U 20150331

Probable Assignee: CHINA MINSHENG ZHUYOU CO LTD

Assignee(s): (std): CHINA MINSHENG ZHUYOU CO LTD

Assignee(s): CHINA MINSHENG ZHUYOU CO

Inventor(s): (std): CHEN DINGQIU ; PENG HAIHUI ; XIE JUN

17) Family number: 54966586 (FR2989101A)

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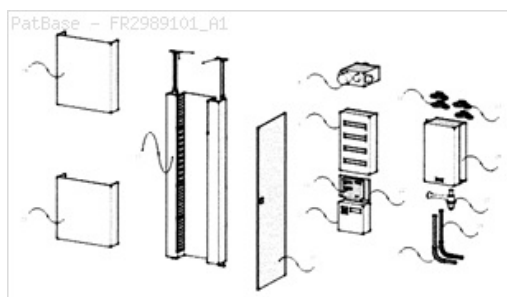
Title: PREFABRICATED SERVICE SHAFT FOR USE IN E.G. SERVICE WALL, DURING CONSTRUCTION OF E.G. INDIVIDUAL HOUSE, HAS INNER SIDE FACES ALLOWING CONNECTIONS BETWEEN FLUID MANAGERS AND DISTRIBUTION NETWORKS AND ACCOMMODATING MANAGEMENT EQUIPMENTS

Abstract: The shaft (20) has a self supporting structure comprising vertical columns rigidifying the structure and allowing separation of low and strong currents. Inner side faces of the shaft allow connections between fluid managers and distribution networks and accommodate fluid management equipment as well as trim panels in central part. The trim panels are connected on top and bottom facade trims (18, 19). The structure is in form of two U with perpendicular wings sliding on each other and attached by using reinforcements to allow an adjustable spacing between the columns. The fluid is selected from air, water, electricity and gas. Independent claims are also included for the following: (1) a home automation cell (2) a service wall.

Classifications:

International (IPC 8-9): E03C1/02 E04F17/08 (Advanced/Invention)

CPC: H02G3/0493



Family:

Publication number	Publication date	Application number	Application date
■ FR2989101 A1	20131011	FR20120001047	20120406

Priority:

FR20120001047 20120406

Probable Assignee: ROGER SYLVAIN DANIEL RAOUL

Assignee(s): (std): ROGER SYLVAIN DANIEL RAOUL

Assignee(s): SYLVAIN DANIEL RAOUL ROGER

Inventor(s): (std): ROGER SYLVAIN DANIEL RAOUL

Inventor(s): SYLVAIN DANIEL RAOUL ROGER

Agent(s): SYLVAIN ROGER

18) Family number: 33995593 (US2007107332A)

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Title: MODULAR FRAMING SYSTEM

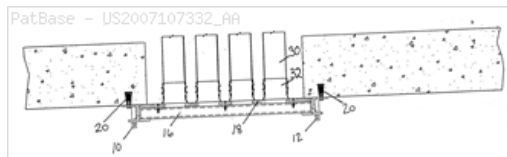
Classifications:

H02G3/22 (Advanced/Invention);

CPC: E04F17/08 E04G15/063 H02G9/10

European: E04F17/08 E04G15/06C H02G9/10

US: 52/220.8



Family:

Publication number	Publication date	Application number	Application date
CA2524888 AA	20061120	CA20052524888	20051103
CA2524888 C	20091229	CA20052524888	20051103
US2007107332 AA	20070517	US20060393728	20060331

Priority:

CA20052524888 20051103

Probable Assignee: LECUYER AND FILS LTEE

Assignee(s): (std): LECUYER AND FILS LTEE

Assignee(s): LECUYER MAURICE ; ROBICHAUD MARIO ; LEBLANC RAYMOND

Inventor(s): (std): ROBICHAUD MARIO ; LECUYER MAURICE ; LEBLANC RAYMOND

Agent(s): ROBIC; NIXON AND VANDERHYE PC

19) Family number: 59693628 (US2016326737A)

Title: BUILDING CONCEPT, VERTICAL DUCT ELEMENT AND METHOD FOR ARRANGING SPACES IN A FLEXIBLE MANNER WITHIN THE BUILDING

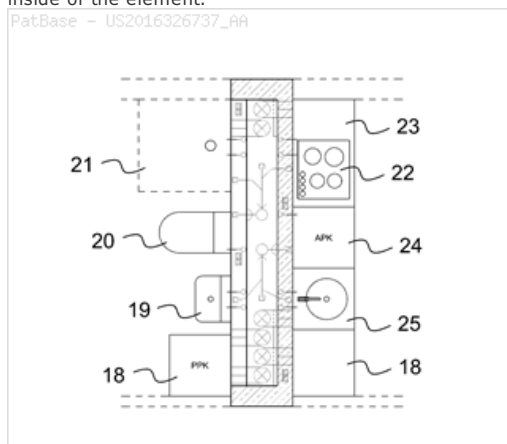
Abstract: The invention relates to a building concept wherein locations of rooms such as bathrooms and kitchens can be easily changed during the lifespan of the building. These rooms may be positioned in several locations almost everywhere in the building and the building may be easily remodeled during its lifespan. The invention is based on providing at least one space part that comprises a floor defining the area of the space part and at least one length of non-load bearing wall bordering the perimeter of the floor and at least one load bearing vertical duct element having at least one vertical cover wall that can be at least partially opened in order to provide access to the inside of the element.

Classifications:

E04C2/52 E04F17/00 E04F17/08 E04H1/00 (Advanced/Invention)

E04B2/00 E04B1/348 E04F17/08

US: 1/1 52/220.2



Family:

Publication number	Publication date	Application number	Application date
CA2935035 AA	20160623	CA20142935035	20141230
CN106030001 A	20161012	CN201480072027	20141230
CN106030001 B	20191011	CN201480072027	20141230
EP3090104 A1	20161109	EP20140825169	20141230
FI127276 B	20180228	FI20130006343	20131231
FI20136343 A	20150701	FI20130006343	20131231
IN201637022267 A	20160826	IN201637022267	20160629
RU2016127890 A	20180207	RU20160127890	20141230
RU2016127890 A3	20180724	RU20160127890	20141230
RU2677504 C2	20190117	RU20160127890	20141230
US2016326737 AA	20161110	US20140108793	20141230
US10287782 BB	20190514	US20140108793	20141230
WO15101710 A1	20150709	WO2014F151060	20141230

Priority:

FI20130006343 20131231 RU20160127890 20141230 WO2014FI51060 20141230

Probable Assignee: ARKKITEHTITOIMISTO KARIN KROKFORS OY

Assignee(s): (std): ARKKITEHTITOIMISTO KARIN KROKFORS OY

Assignee(s): HOLM JORGEN : KORTEMAA ARI : KROKFORS KARIN : WESTERLUND ANDERS

Inventor(s): (std): KROKFORS KARIN ; HOLM JOERGEN ; WESTERLUND ANDERS ; KORTEMAA ARI ; HOLM JORGEN ;

Agent(s):

BENOIT AND COTE INC; SEPPO LAINE OY; ARS PATENT MV KHMARA

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

20) Family number: 17887636 (EP0878588A1)

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Title: BUILDING WITH UP TO FOUR STOREYS, PARTICULARLY FOR RESIDENTIAL PURPOSE, AND PROCESS FOR ITS ERECTION

Abstract: The skeleton support structure encloses a space enclosing at least one load-absorbing gantry. This has a support frame which is connected to the skeleton structure and is fixed on the baseplate (1) of the lowest storey. One or more superposed support structure units (8,8') are fixed together in a box formation and are made from a welded profiled steel structure. The height of these structure units corresponds to the height of the relevant storey. Support bearings for the ceiling supports are fixed at storey height on the support structure units. The ceiling supports are fixed on the support bearings of the support structure units and on support bearings mounted on profiled steel elements (3) of the skeleton structure.

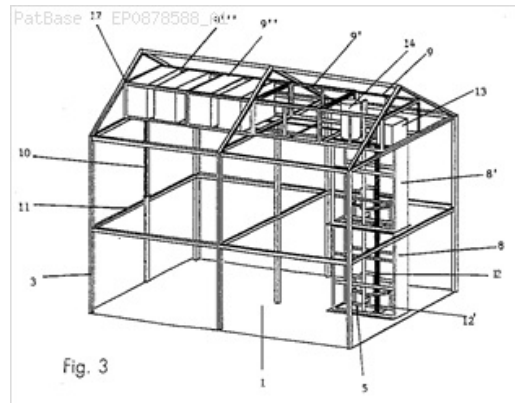
Classifications:

International (IPC 8-9): E04B1/24 E04B1/348 (Advanced/Invention); E04B1/24 E04B1/348 (Core/Invention)

International (IPC 1-7): E04B1/00 E04B1/18 E04B1/24 E04B1/348 E04F17/08 E04H1/02

CPC: E04B1/24 E04B1/34869 E04B2001/249

European: E04B1/24 E04B1/348D P04B1/24R



Family:

Publication number	Publication date	Application number	Application date
DE19720554 C1	19981210	DE19971020554	19970516
EP0878588 A1	19981118	EP19980108888	19980515

Priority:

DE19971020554 19970516

Probable Assignee: GORGAS VOLKER

Assignee(s): (std): GORGAS VOLKER

Assignee(s): GORGAS VOLKER 06308 KLOSTERMANSFELD DE

Inventor(s): (std): GORGAS VOLKER

Inventor(s): GORGAS VOLKER 06308 KLOSTERMANSFELD DE

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

21) Family number: 28254649 (US2002100235A)

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Title: SYSTEMS, METHODS, AND ARTICLES OF MANUFACTURE FOR USE IN PANELIZED CONSTRUCTION

Abstract: Systems, methods, and articles of manufacture for panelized construction of, renovation of, and addition to commercial, industrial, and other buildings. The systems and methods utilize prefabricated construction panels that may be attached to one another and/or pre-existing building structures using a variety of attachment mechanisms. The construction panels may include pre-installed building subsystems, such as wire-based and mechanical subsystems.

Classifications:

International (IPC 8-9): E04B1/10 E04B5/02 E04C2/38 E04C2/52 E04F13/00 E04F17/08 E04H1/00 (Advanced/Invention);

E04B1/02 E04B5/02 E04C2/38 E04C2/52 E04F13/00

E04F17/00 (Core/Invention)

International (IPC 1-7): E04B1/00 E04B5/00 E04B7/00 E04C2/34 E04C2/52 E04H1/00 E04H14/00 E04H3/00 E04H5/00 E04H6/00

CPC: E04B1/10 E04B5/026 E04B5/04 E04C2/384 E04C2/521

E04F13/00 E04F17/08

European: E04B1/10 E04B5/02P E04B5/04 E04C2/38C E04C2/52A

E04F13/00 E04F17/08

US: 52/220.2 52/27 52/270 52/481.2

Publication number	Publication date	Application number	Application date
AU2002237993 AA	20020904	AU20020237993	20020201
CA2437162 AA	20030730	CA20022437162	20020201
MXPA03006903 A1	20040524	MX2003PA06903	20020201
US2002100235 AA	20020801	US20010774675	20010201
WO02066769 A1	20020829	WO2002US02741	20020201

US20010774675 20010201 WO2002US02741 20020201

Assignee(s): (std): FAIRFAX EXPRESS CORP ; WEISS ARVIN

Inventor(s): (std): WEISS ARVIN ; WEISS ARVIN S ; ARVIN S WEISS

Agent(s): BERESKIN AND PARR

PatBase PDF Export - Page: 17 27/04/2020

22) Family number: 751662 (US3742666A)

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Title: UNITIZED UTILITY DISTRIBUTION SYSTEM

Abstract: A system for distributing energy and utility services from supply sources to consumption outlets, in buildings, particularly buildings of modular construction, wherein the distribution system is made up of prefabricated units, namely, a unitary main supply tunnel having main supply carriers mounted therein for connection with remote supply sources and to distribution carriers mounted in one or more distribution pan units; the supply carriers of the pan units being joined to the lower ends of vertically extending or upright supply stack units adapted to extend upwardly through spaces provided therefor in the building; each stack unit having outlets at selected levels for connection with utility wall units associated with utility consumption outlets.

Classifications:

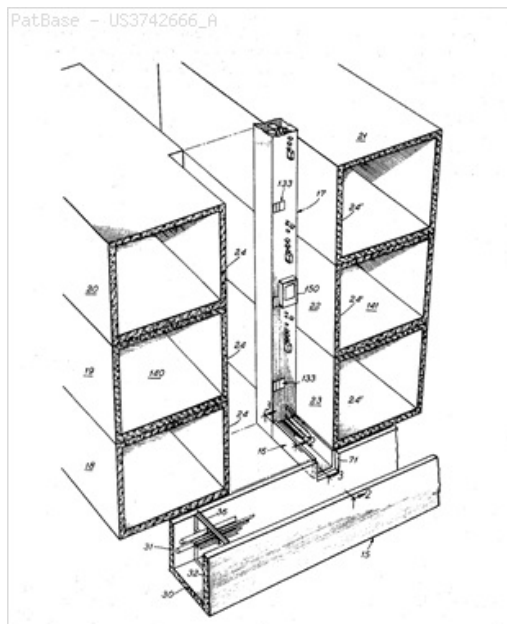
International (IPC 8-9): E02D27/46 E03C1/00 E03C1/01 E04B5/48 E04C2/52 E04F17/08 (Advanced/Invention); E02D27/32 E03C1/00 E04B5/48 E04C2/52 E04F17/00 (Core/Invention)

International (IPC 1-7): E02D27/46 E03C1/01 E03C1/02 E03C1/12 E04B1/343 E04B1/348 E04B5/48 E04C E04F17/00 E04F17/08 H02G3/28

CPC: E03C1/01 E04C2/521 E04F17/08

European: E03C1/01 E04C2/52A E04F17/08

US: 52/169.2 52/22.1 52/220.1 52/220.3 52/309.7 52/79.1



Family:

Publication number	Publication date	Application number	Application date
AT21720 E	19860915	AT19830302616T	19830510
AU198314569 A1	19831117	AU19830014569	19830516
AU555227 B2	19860918	AU19830014569	19830516
CA1186120 A1	19850430	CA19830428253	19830516
DE3365593 D1	19861002	DE19833365593	19830510
EP0094780 A1	19831123	EP19830302616	19830510
EP0094780 B1	19860827	EP19830302616	19830510
GB2121450 A1	19831221	GB19830012943	19830511
GB2121450 B2	19851030	GB19830012943	19830511
GB8312943 A0	19830615	GB19830012943	19830511
US4523416 A	19850618	US19830495293	19830516
ZA8303430 A	19850227	ZA19830003430	19830513

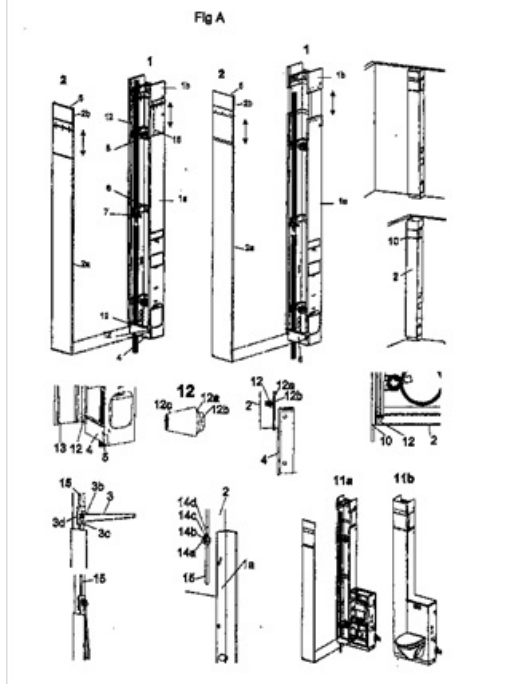
Priority:

GB19820014225 19820515 CA19830428253 19830516

Probable Assignee: ROBERTSON CO H H**Assignee(s):** (std): PAYNE GHISLAINE R L ; ROBERTSON UK LTD H H ; ROBERTSON CO H H ; ROBERTSON AUSTRALIA PTY LTD H ; PAYNE HAROLD J W ; ROBERTSON H H AFRICA ; ROBERTSON H H AUSTRALIA**Assignee(s):** ROBERTSON H H U K LTD ; PAYNE HAROLD JW ; PAYNE HAROLD JAMES WILLIAM OLD RECTORY HANDLEY A B ; PAYNE HAROLD JAMES WILLIAM OLD RECTORY HANDLEY A BRITISH SUBJECT ; ROBERTSON HH UK LTD ; PAYNE HAROLD JAMES WILLIAM OLD RECTORY HANDLEY CHE ; BALLY ENGINEERED STRUCTURES INC ; CIT GROUP BUSINESS CREDIT INC ; CITIBANK NA ; CITICORP ; CITICORP CAPITAL INVESTORS LTD ; CITICORP VENTURE CAPITAL LTD ; H H ROBERTSON ; HH ROBERTSON LTD ; PAYNE GHISLAINE ROBERTE LUCIENNE OLD RECTORY HANDL ; H H ROBERTSON U K LTD ; H H ROBERTSON AFRICA PTY LTD ; H H ROBERTSON U K LIMITED ; HH ROBERTSON AUSTRALIA PTY LTD ; PAYNE GHISLAINE RL ; HH ROBERTSON UK LTD ; HH ROBERTSON AFRICA PTY LTD ; H H ROBERTSON UK LTD ; HH ROBERTSON (UK) CROMWELL ROAD ELLESMERE PORT SOUTH WIRRAL CHESHIRE L65 4DS ENGLAND A CORP OF GREAT BRITIAN LTD ; HH ROBERTSON UK CROMWELL ROAD ELLESMERE PORT SOUTH WIRRAL CHESHIRE L65 4DS ENGLAND A CORP OF GREAT BRITIAN LTD ; PAYNE GHISLAINE ROBERTE LUCIENNE OLD RECTORY HANDLEY A FRENCH CITIZEN**Inventor(s):** (std): PAYNE HAROLD JAMES WILLIAM ; PAYNE CHISLAINE ROBERTE LUCIEN ; PAYNE CHRISLAINE R L ; GHISLAINE ROBERTE LUCIENNE PAY ; PAYNE GHISLAINE R L ; PAYNE HAROLD J W ; PAYNE GHISLAINE ROBERTE LUCIEN**Inventor(s):** PAYNE GHISLAINE ROBERTE LUCIENNE ; CHISLAINE ROBERTE LUCIENNE PAYNE ; PAYNE CHISLAINE ROBERTE LUCIENNE ; PAYNE HAROLD JW ; PAYNE GHISLAINE RL ; GHISLAINE ROBERTE LUCIENNE PAYNE ; HAROLD JAMES WILLIAM PAYNE**Agent(s):** DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO**Designated states:** AT BE CH DE FR IT LI LU NL SE**24) Family number: 42640682 (SE531061C)**

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Title: ANORDNING FOER FOERLAEGGNING AV VATTEN- OCH AVLOPPSINSTALLATIONER DEVICE OF PROCEDURE ON FOERLAEGGNING water and drainage applications (Machine translation)**Abstract:** Source: SE531061C [SV] Anordning foer foerlaeggning av vatten- och avloppsinstallationer, framfoer allt i flerbostadshus vid om- eller nybyggnation, innefattande en lucka (2) anordnad demonterbar foer moejlighet till frilaeggning av en bakom luckan foerlagd installation, varvid foer fastsaettning av frontluckan pa anordningen aer anordnade minst tva, nedtill respektive upptill monterade kontappar (12) och pa luckans insida motsvarande upphaengningshal (13) och varvid kontapparna aer sa utformade att naer halen i luckan foers in oever kontappen och saenks ned, luckan genom en pa kontappen utbildad lutande bakre del (12a) pressas mot anordningen och genom att kontappen uppvisar en hals (12b) med nagot mindre bredd aen luckans tjocklek invid upphaengningshalen (13), uppnas en glappfri anliggning foer luckan mot anordningen samtidigt som luckan kan monteras och demonteras utan verktyg samtidigt som den kan vara foersedd med godtyckligt ytskikt sasom keramiska plattor, stenplattor eller annat ytskikt.**Machine translation:** Device for laying of water and sewage installations, especially in apartment buildings in rebuilding or new construction, including a gap (2) arranged to remove for the possibility of exposing the one behind the door located in the installation, whereby the attachment of the front cover of the device is arranged at least two, bottom or top mounted kontappar (12) and inside the door corresponding hole for hanging (13) and taking kontapparna is so designed that when the holes in the door entering the kontappen and lowered, the door by one of kontappen trained sloping rear portion (12a) is pressed the device and by kontappen exhibit a neck (12b) with a slightly smaller width than the door thickness near the mounting holes (13), achieved a backlash contact surface for the cover of the device while the door can be assembled and disassembled without tools while it can be equipped with arbitrary finishes such as ceramic tiles, stone tiles or other finishes.**Classifications:****International (IPC 8-9):** E03C1/01 E04F17/08 (Advanced/Invention); E03C1/00 E04F17/00 (Core/Invention)**CPC:** E03C1/01 E04F17/08**European:** E03C1/01 E04F17/08

**Family:**

Publication number	Publication date	Application number	Application date
SE2008000616 A	20081202	SE20080000616	20080317
SE2008000616 L	20081202	SE20080000616	20080317
SE531061 C2	20081202	SE20080000616	20080317

Priority:

SE20080000616 20080317

Probable Assignee:

LINTEC COMBISYSTEM AB

Assignee(s): (std):

LINTEC COMBISYSTEM AB

Inventor(s): (std):

LINDER MATS

Inventor(s):

MATS LINDER

25) Family number: 16952703 (JP10131530A)

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Title: MEDIA DISTRIBUTION DEVICE FOR LABORATORY, ETC.

Abstract: PROBLEM TO BE SOLVED: To make it possible to simply execute the alteration and addition in a state of media distribution by placing a shell body for bearing a media distribution medium in a state invisible from below, and providing a drawing section capable of drawing the media distribution medium downward to the shell body. SOLUTION: A shell body 24 is extended along the direction of the row upward of a row of desks 4 and is opened upward to form the lower surface in the shape of a circular-arc of a downward projection. The shell body 24 is set in a required length by overlapping the sides of a plurality of units 24' to clamp side boards with screws. A straight pipe-like fluorescent lamp, a lattice louver 33 and a reflector are loaded to the inside of a groove thread 31 in the units 24'. Since cords and cables are neatly arranged inside the shell body, a wiring holder having an upward opening and extending along the longitudinal direction of the shell body 24 is provided. When intermediate pipes are arranged on both sides holding the groove thread 31, a bad influence caused by radiation of the fluorescent lamp can be prevented.

Classifications:**International (IPC 8-9):** B01L9/02 E04F17/08

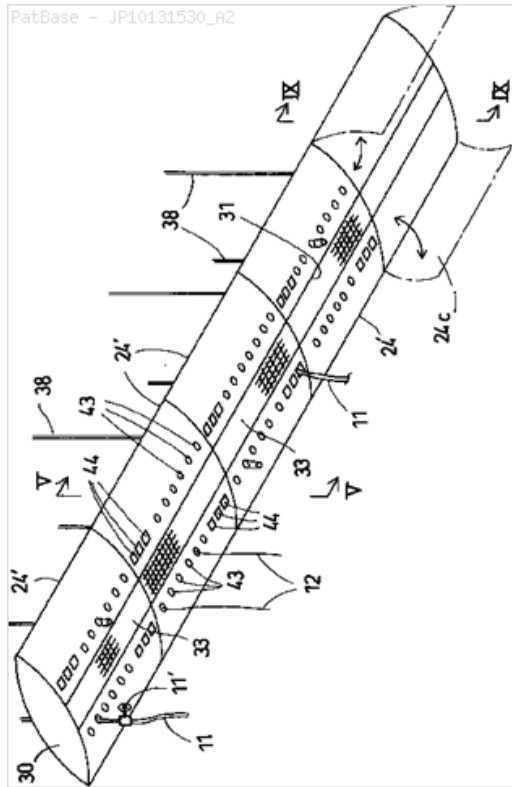
E04H5/02 (Advanced/Invention);

B01L9/00 E04F17/00 E04H5/00 (Core/Invention)

International (IPC 1-7): B01L9/00 E03B7/04 E04F17/08 E04H3/00

E04H5/02 F16S3/02 F21V3/02 H02G3/04

CPC: B01L9/02 E04F17/08**European:** B01L9/02 E04F17/08

**Family:**

Publication number	Publication date	Application number	Application date
DE19618724 A1	19971211	DE19961018724	19960509
DE29623174 U1	19980520	DE19962023174U	19960509
JP10131530 A2	19980519	JP19970119916	19970509
JP3369901 B2	20030120	JP19970119916	19970509

Priority:

DE19961018724 19960509 DE19962023174U 19960509

Probable Assignee: WALDNER LABOREINRICHTUNGEN

Assignee(s): (std): ITOKI CORP ; ITOKI CREBIO CORP ; WALDNER LABOREINRICHTUNGEN

Assignee(s): WALDNER LABOREINRICHTUNGEN GMBH AND CO ; WALDNER LABOREINRICHTUNGEN GMBH AND CO 88239 WANGE ; WALDNER LABOREINRICHTUNGEN GMBH AND CO 88239 WANGEN DE

Inventor(s): (std): KREUZER KONRAD ; LIEBSCH JUERGEN ; SIGG BRUNO

Inventor(s): LIEBSCH JUERGEN 88161 LINDENBERG DE ; SIGG BRUNO 88239 WANGEN DE ; KREUZER KONRAD 87493 LAUBEN DE

26) Family number: 16122733 (DE20018027U1)

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Title: SCHACHTREGISTER, INSTALLATIONSVORWAND O.DGL. Bay register, INSTALLATION pretext or the DGL. (Machine translation)

Abstract: Source: DE20018027U1 [DE] (Claim1) statisch gleichwertiges System, worin Rohre und Kabel sowie gegebenenfalls weitere zu daemmende Einbauten unter Erfuellung schallschutz-, waermeschutz-, feuchteschutz-und brandschutztechnischer Auflagen aufgenommen und befestigt sind, d gekennzeichnet, dass der Innenraum des Systems unter Verzicht auf Waerme-und Schallschutzummantelungen fuer die Rohre (2,3) und Schutzrohre fuer die Kabel (4) sowie Daemmung sonstiger vorhandener Einbauten vollstaendig und gleichmaessig mit einem komprimierten mineralischen Daemmstoff (11) ausgefuellt ist.

Machine translation: (Claim1) statically equivalent system, where pipes and cables are as well as if necessary further installations under fulfillment noise control, thermic protection, feuchteschutz-und, which can be dammed, fire protection-technical editions taken up and fastened, D characterized that the interior of the system through renouncement of Waerme-und noise control shrouds for the pipes (2,3) and protective pipes is completely and evenly with a compressed mineral insulating material (11) filled out for the cables (4) as well as insulation of other existing installations.

Classifications:

International (IPC 8-9): E04F17/08 (Advanced/Invention); E04F17/00 (Core/Invention)

International (IPC 1-7): E04B1/74 E04F17/08

CPC: E04F17/08

European: E04F17/08

Publication number	Publication date	Application number	Application date
FR2936828 A1	20100409	FR20080005533	20081007
FR2936828 B1	20161230	FR20080005533	20081007

Priority:

FR20080005533 20081007

Probable Assignee:

MAISON EAU AND SOLEIL

Assignee(s): (std):

MAISON EAU AND SOLEIL

Inventor(s): (std):

DULAC ALAIN

Inventor(s):

ALAIN DULAC

Agent(s):

CABINET GERMAIN ET MAUREAU

28) Family number: 23268849 (DE10052255A1)

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Title: Procedure for manufacture of shaft register, plumbing wall or similar system entails blowing through of inner cavity of system completely and uniformly with compressible, injectable, mineral insulating material

Abstract: The procedure for the manufacture of a shaft register, plumbing wall or other statically equivalent system entails blowing through of the inner cavity of the system completely and uniformly with a compressible, injectable, mineral insulating material (11), dispensing with heat and sound proofing jackets for the pipes (2,3) and/or conduits for the cables (4). The insulating material inside the system achieves a density of more than 70 kg/cubic meter and less than 150 kg/cubic meter.

Classifications:

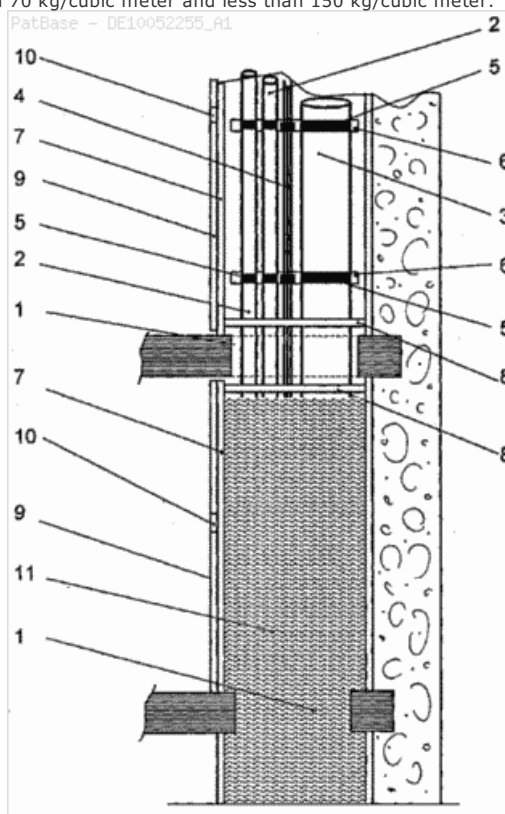
International (IPC 8-9): E04F17/08 (Advanced/Invention);

E04F17/00 (Core/Invention)

International (IPC 1-7): E04B1/74 E04F17/08

CPC: E04F17/08

European: E04F17/08



Family:

Publication number	Publication date	Application number	Application date
DE10052255 A1	20020508	DE20001052255	20001021

Priority:

DE20001052255 20001021

Probable Assignee: HAUTEC SYSTEMELEMENTE GMBH

Assignee(s): (std): HAUTEC SYSTEMELEMENTE GMBH

Inventor(s): (std): BAHR HANS ; JUNGnickel UWE ; SCHMIDT THILO ; SIMON FRIEDHELM

29) Family number: 1870888 (GB2164969A)

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Title: Prefabricated building with service feed passages

Abstract: The building comprises at least one module which has upright main columns (12, 14, 16) including corner columns joined at their upper ends by transverse members (18, 20) and at their lower ends by a floor structure (22) which is supported above a concrete base (10) by adjustable length props (24). Intermediate uprights (38) provide for the fitting of inner and outer cladding panels (40, 42). The structural members form a rectilinear framework, and such members are apertured both to facilitate joining one to the other and, as indicated by apertures (44), to enable the passage of service feeders. The building structure is readily extendable by removing the cladding, adding a similar rectilinear framework, and recladding.

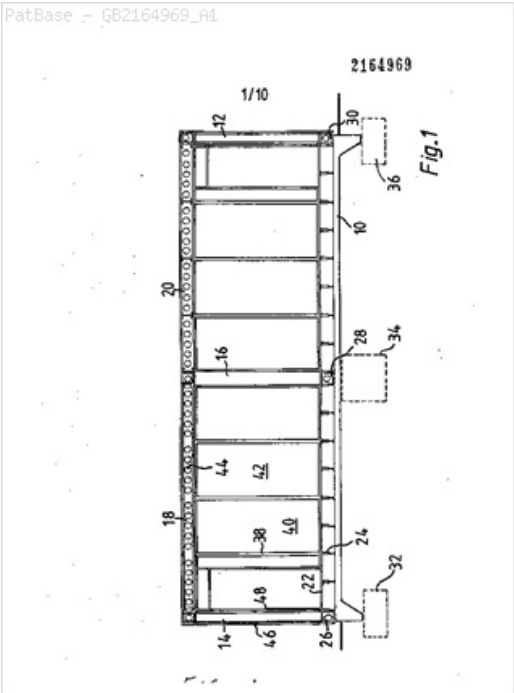
Classifications:

International (IPC 8-9): E04B1/24 E04H1/00 (Advanced/Invention);

E04B1/24 E04H1/00 (Core/Invention)

International (IPC 1-7): E04B1/18 E04F17/08

CPC: E04B1/24 E04B2001/2406 E04B2001/2415 E04B2001/2451 E04B2001/246 E04B2001/2469 E04B2001/2472 E04B2001/2481 E04B2001/2484 E04H1/005
European: E04B1/24 E04H1/00B P04B1/24B2 P04B1/24B4 P04B1/24B41 P04B1/24B51 P04B1/24C2 P04B1/24C3 P04B1/24D P04B1/24E



Family:

Publication number	Publication date	Application number	Application date
GB2164969 A1	19860403	GB19840024523	19840928
GB8424523 A0	19841107	GB19840024523	19840928

Priority:

GB19840024523 19840928

Probable Assignee: TARTAN BUILDINGS LIMITED
Assignee(s): (std): TARTAN BUILDINGS LIMITED ; TARTAN BUILDINGS LTD
Inventor(s): (std): PERRIN ROGER FRANCIS
Inventor(s): ROGER FRANCIS PERRIN

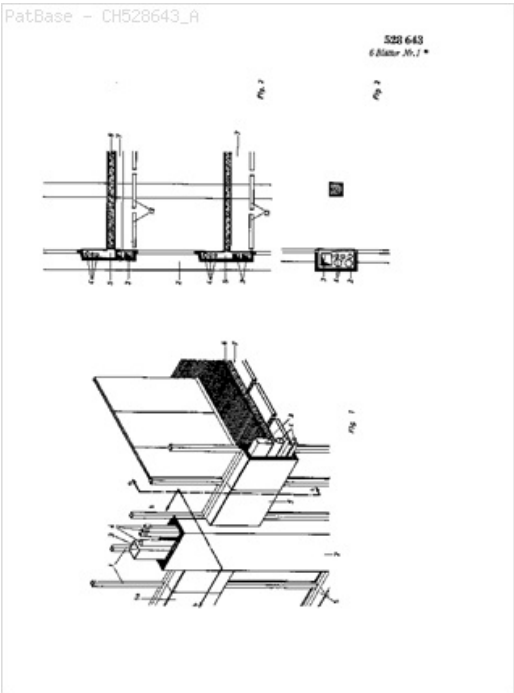
30) Family number: 18813894 (CH528643A)

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Title: Gebaeude

Abstract: Source: CH528643A [DE] [Source: Claim 1] 1. Gebaeude nach Patentanspruch, dadurch gekennzeichnet, dass ein Ausbau- und Ausruestungsraster (32) von einem Rohbauraster (33) um den halben Modul (34) gegeneinander versetzt sind.
Machine translation: [Source: claim 1] 1 building according to claim, characterised by the fact that an expansion and equipment grid (32) by a rough grid (33) to the half module (34) before offset are.

Classifications:
International (IPC 8-9): E04B1/00 E04B2/82 E04B9/00 E04H1/00 (Advanced/Invention); E04B1/00 E04B2/82 E04B9/00 E04H1/00 (Core/Invention)
International (IPC 1-7): E04B1/00 E04F17/00 E04F17/08 E04H1/00
CPC: E04B1/0023 E04B2/825 E04B9/008 E04H1/005
European: E04B1/00C E04B2/82C E04B9/00E E04H1/00B



Family:

Publication number	Publication date	Application number	Application date
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BG23682 A1	19771012	BG19710015506	19710819
CH528643 A	19720930	CH19700013518	19700915
CS162625 B2	19750715	CS19700007196	19701025
DE2043736 A1	19711007	DE19702043736	19700903
FR2083437 A1	19711217	FR19700043127	19701201
FR2083437 B1	19740322	FR19700043127	19701201

Priority:

DD19700146333 19700320

Probable Assignee: VE BAU UND MONTAGEKOMBINAT ING

Assignee(s): (std): BAU MONTAGEKOMBINAT ; BMK VEB ; VE BAU UND MONTAGEKOMBINAT ING

Assignee(s): VE BAU UND MONTAGEKOMBINAT INGENIEURHOCHBAU BERLIN ; VEB BMK INGENIEURHOCHBAU ; VE BAU U MONTAGEKOMBINAT ING ; BAU MONTAGEKOMBINAT DL ; BMK INGENIEURHOCHBAU VEB

Inventor(s): (std): BACH GUENTER DIPL ING ; BACH

Inventor(s): BACH GUENTER

31) Family number: 15302913 (US6308465B)

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Title: SYSTEMS AND UTILITY MODULES FOR BUILDINGS

Abstract: Utility modules used to form a utility distribution system, where the utility modules are disposed on a foundation with the construction of a building, and where the utility modules may be covered with panels. The utility modules include coupling elements at edge regions and at major surfaces thereof. When coupled together, the utility modules can form a utility distribution system which is used to distribute utility services throughout a building. The utility services can be provided by a utility service system, which preferably comprises a fuel cell.

Classifications:

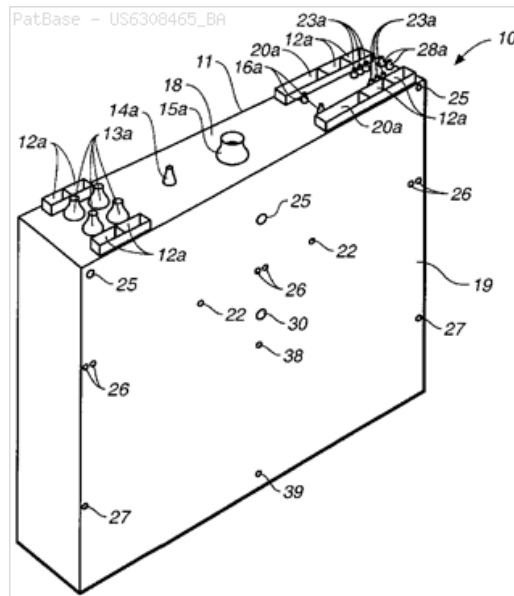
International (IPC 8-9): E04C2/52 E04F17/08 (Advanced/Invention); E04C2/52 E04F17/00 (Core/Invention)

International (IPC 1-7): E04B2/14 E04C1/39 E04F17/08

CPC: Y10T137/698 H01M8/182 E03C1/01 E04C2/521 E04F17/08 H01M8/04216 H01M8/1011 H01M2250/10 Y02B90/14 Y02E60/523 Y02E60/528

European: E03C1/01 E04C2/52A E04F17/08 H01M8/04C6D H01M8/10C2 H01M8/18B T01M250/10 Y02B90/14 Y02E60/52B2B Y02E60/52J

US: 137/360 52/220.3 52/34 52/79.1



Family:

Publication number	Publication date	Application number	Application date
AU200049827 A1	20010109	AU20000049827	20000503
AU200049827 A5	20010109	AU20000049827	20000503
EP1212495 A1	20020612	EP20000932042	20000503
EP1212495 A4	20090603	EP20000932042	20000503
US6308465 BA	20011030	US19990337592	19990621
WO0079067 A1	20001228	WO2000US12078	20000503
WO0079067 C2	20010315	WO2000US12078	20000503

Priority:

US19990337592 19990621 WO2000US12078 20000503

Probable Assignee: EQUITECH INT LLC

Assignee(s): (std): EQUITECH INC ; EQUITECH INT LLC ; EQUITECH INTERNATIONAL LLC

Assignee(s): EQUITECH INTIONAL ; EQUITECH INT

Inventor(s): (std): GALLOWAY TERRY ; PRICE DEAN ; GALLOWAY TERRY R

Inventor(s): DEAN PRICE ; TERRY GALLOWAY ; TERRY R GALLOWAY

Agent(s): COUDERT BROTHERS

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM 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 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 UZ VN YU ZA ZW

32) Family number: 60397940 (EP2947735A3)

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Title: INSTALLATION SYSTEM SYSTEME D'INSTALLATIO

Abstract: Source: EP2947735A3 [DE] Die vorliegende Erfindung betrifft ein Installationssystem zum Verlegen von Energie- und/oder Signalleitungen in Waenden, mit einer Installationsplatte, an der zumindest ein Leerrohr zum Einziehen von Energie- und/oder Signalleitungen sowie zumindest eine mit dem Leerrohr verbundene Leerdose zum Einbau eines Schalters und/oder Anschlussterminals und/oder Steuerungselements vormontiert sind. Erfindungsgemaess bildet die Installationsplatte ein Wand-, Boden- oder Deckenelement, das zumindest vorder- oder oberflaechenseitig buendig in eine Wandaussparung einsetzbar und im Bereich der Wandaussparung die Wand bildet, wobei die Installationsplatte mit Ausnahme der zumindest einen Leerdose eine im Wesentlichen geschlossene, ebenmaessige bzw. glatte oder harmonische Vorderseite besitzt, so dass nach Einsetzen in die Wandaussparung ein im Wesentlichen geschlossener Wandabschnitt gebildet ist.

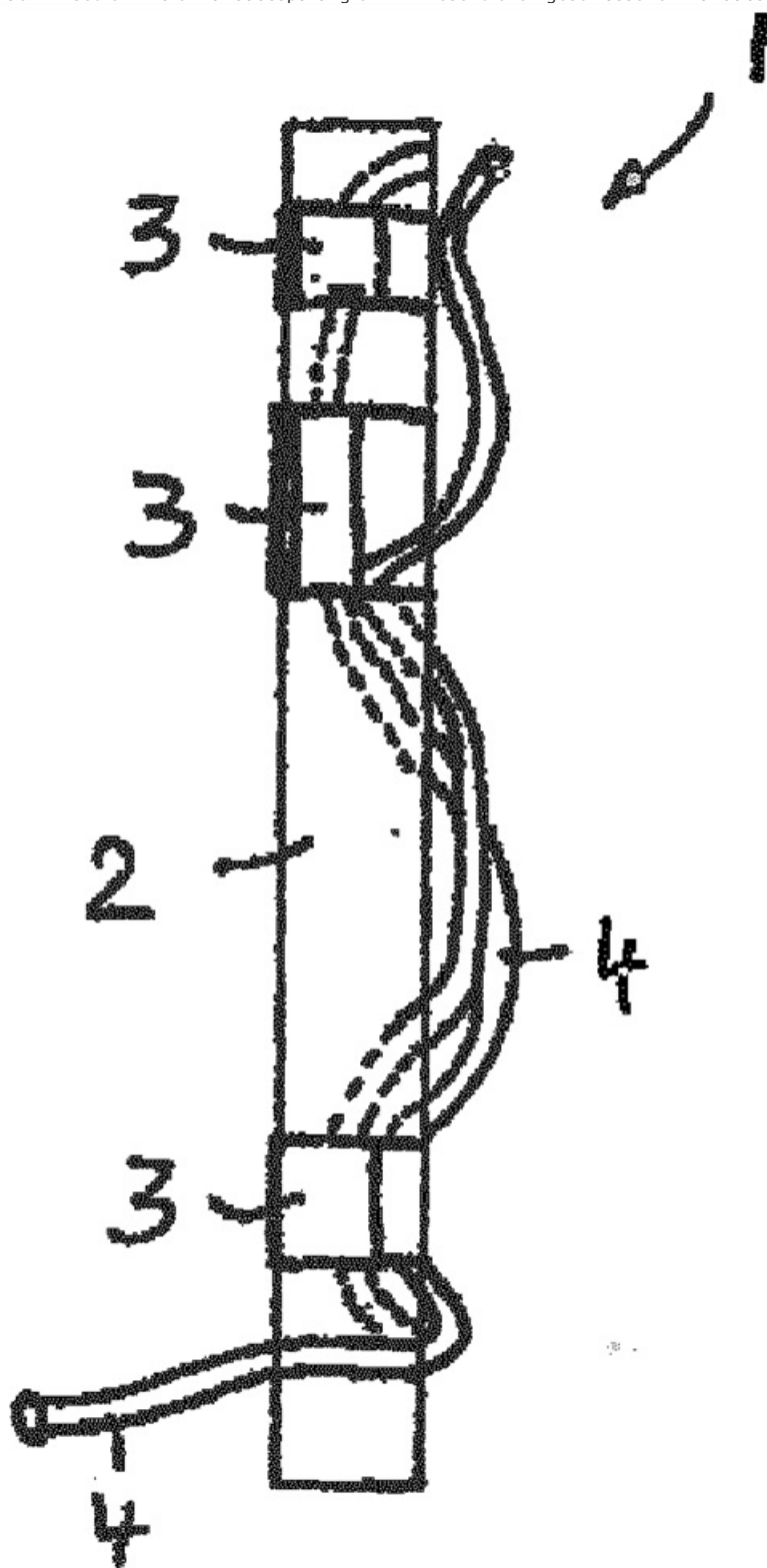


Fig. 2

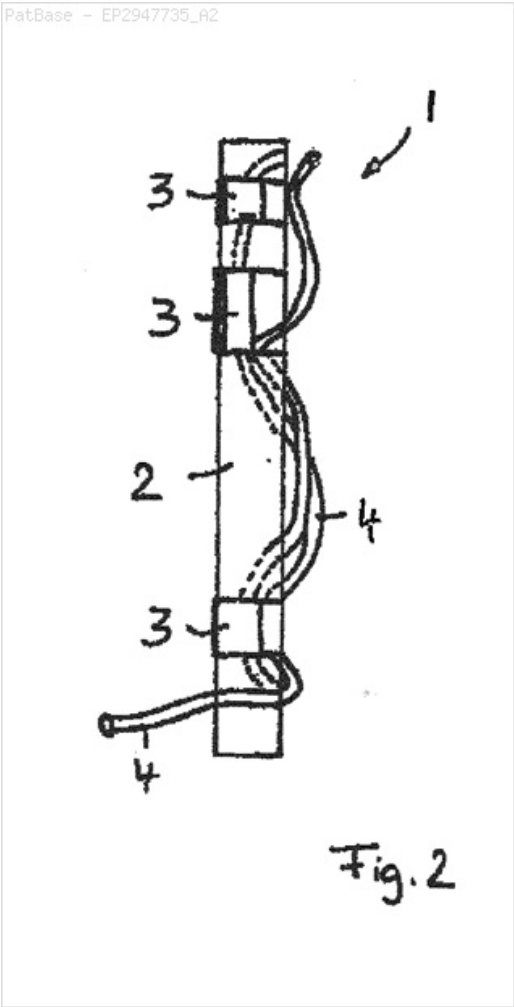
Classifications:

International (IPC 8-9): E04B2/00 E04C2/52 E04F17/08 E04F19/08

H02G3/32 H02G3/36 H02G3/38 (Advanced/Invention);

H02G3/04 (Advanced/Non-invention)

CPC: E04F19/08 H02G3/32 E04C2/521 E04F17/08 H02G3/0487



Family:

Publication number	Publication date	Application number	Application date
AT14969 U1	20160915	AT20150050096U	20150522
DE202014006817 U1	20151001	DE201420006817U	20140821
EP2947735 A2	20151125	EP20150168464	20150520
EP2947735 A3	20160817	EP20150168464	20150520

Priority:

DE201420004320U 20140523 DE201420006817U 20140821

Probable Assignee: POETTINGER INSTALLATIONS GMBH

Assignee(s): (std): POETTINGER INSTALLATIONS GMBH ; POETTINGER INSTALLATIONS GMBH AND CO KG

Inventor(s): (std): DOPPELBAUER MARTIN ; OSTERKORN THOMAS

Agent(s): THOMA 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 ME MK MT NL NO
PL PT RO RS SE SI SK SM TR