

Title: POLLUTION ABATEMENT SYSTEM.

Abstract: A process that deals with the sick building syndrome and building related illnesses, and solves volatile organic compound and biological pollution problems associated with large confined areas through which forced air is circulated, and the area is utilized for societal functions or activities, e.g., habitation by animals and/or equipment or other materials sensitive to pollutants or contaminants utilized in a societal activity within such areas, which comprises treating the circulating air in an air treatment zone (i) with ozone in a depollution catalytic zone removed from contact with humans and/or the sensitive equipment to remove pollutants and contaminants from the air, and thereafter, (ii) the treated air is treated to remove ozone before being returned to the cycle flow within the confined area located outside of the air treatment zone.

Classifications:

International (IPC 8-9): A61L9/015 B01D53/34

B01D53/86 (Advanced/Invention);

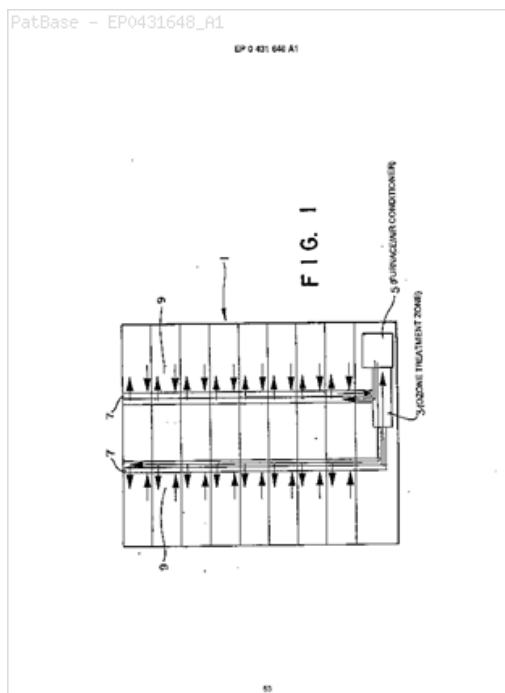
B01D53/34 (Advanced/Non-invention);

A61L9/015 B01D53/34 B01D53/86 (Core/Invention)

International (IPC 1-7): A61L9/015 A61L9/04 A61L9/12 A61L9/15
B01D53/00 B01D53/34 B01D53/36 B01D53/38 B01D53/83 E04F
E04H F24F3/16

CPC: H01L2924/10253 B01D53/8662 A61L9/015 B01D53/8668 B01D53/8675 Y02A50/2347

European: A61L9/015 B01D53/86L2 B01D53/86P B01D53/86Q2



Family:

Publication number	Publication date	Application number	Application date
AT120094 E	19950415	AT19900123600T	19901207
AU199067853 A1	19910620	AU19900067853	19901207
AU626482 B2	19920730	AU19900067853	19901207
BRPI9006265 A	19910924	BR1990PI06265	19901210
CA2031822 AA	19910609	CA19902031822	19901207
DE69018035 D1	19950427	DE19906018035	19901207
EP0431648 A1	19910612	EP19900123600	19901207
EP0431648 B1	19950322	EP19900123600	19901207
FI906052 A	19910609	FI19900006052	19901207
FI906052 A0	19901207	FI19900006052	19901207
IL96555 A0	19910916	IL19900096555	19901205
JP6205928 A2	19940726	JP19900419333	19901207
KR19910011286 A	19910807	KR19900020069	19901207
KR970001497 B1	19970211	KR19900020069	19901207
NO905307 A	19910610	NO19900005307	19901207
NO905307 A0	19901207	NO19900005307	19901207
NO905307 L	19910610	NO19900005307	19901207
NZ236392 A	19920826	NZ19900236392	19901207
TH11600 A	19920801	TH19901001812	19901207
ZA9009849 A	19911030	ZA19900009849	19901207

Priority:

US19890447996 19891208

Probable Assignee: UOP

Assignee(s): (std): UNION CARBIDE CHEM PLASTIC ; UNION CARBIDE CHEMICAL PLASTIC ; UOP INC

Assignee(s): UOP DES PLAINES ILL US ; UOP DES PLAINES ILL ; UNION CARBIDE CHEM AND PLAST CO INC ; UNION CARBIDE CHEMICAL PLASTICS CO ; UNION CARBIDE CHEMICAL PLASTICS CO INC ; UNION CARBIDE CHEMICALS AND PLASTICS CO INC ; UOP

Inventor(s): (std): GEORGE ERNEST KELLER II ; JAY FINGERET MILLER ; JOAN AYER RODBERG ; JIYOOJI AANESUTO
KERAA ZA SEKA ; KELLER II GEORGE ERNEST ; RODBERG JOAN A ; MILLER JAY F ; KELLER II GEORGE
E ; JIYOAN EIYAA ROTSUDOBAAGU ; JIEI FINGERETSUTO MIRAA ; KELLER GEORGE ERNEST ; KELLER

N GEORGE ERNEST ; RODBERG JOAN AYER ; MILLER JAY FINGERET ; KELLER GEORGE ERNEST II

Inventor(s): MILLER JAY FINGERET SOUTH CHARLESTON WEST VIRGINIA ; RODBERG JOAN AYER S E CHARLESTON WEST VIRGINIA 25 ; KELLER II GEORGE ERNEST SOUTH CHARLESTON WEST VIRG ; JIYOOJI AANESUTO KERRA ZA SEKANDO ; KELLER NCE GEORGE ERNEST ; RODBERG JOAN AYER SE CHARLESTON WEST VIRGINIA 25304 US ; KELLER II GEORGE ERNEST SOUTH CHARLESTON WEST VIRGINIA 25303 US ; MILLER JAY FINGERET SOUTH CHARLESTON WEST VIRGINIA 25303 US ; RODBERG JOAN AYER S E CHARLESTON WEST VIRGINIA 25304 US

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON

Designated states: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

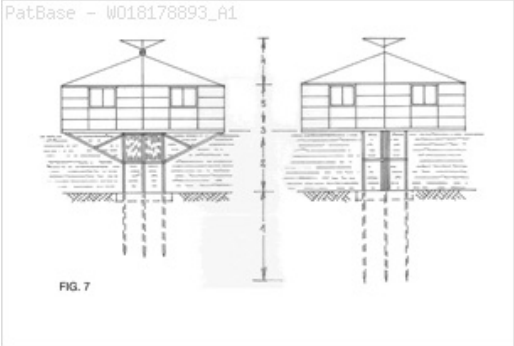
2) Family number: 71406060 (WO18178893A1) © PatBase

Title: UNSINKABLE PLATFORM FOR LAND EXPOSED TO HARSH CLIMATE RISKS AND CONDITIONS

Abstract: A residential or leisure unit for flood zones, comprising a fixed part embedded in the ground, formed by a concrete block based on three piles inside and around which a moving part having a circular or polygonal shape slides vertically thanks to a lifting device, comprising a floor secured to the mobile base, facades topped with a roof, the assembly being composed of interchangeable modular elements configured to be assembled manually.

Classifications:

International (IPC 8-9): B63B35/44 E02D27/36 E02D35/00 E04H9/14 (Advanced/Invention)
CPC: B63B35/44 B63B2035/4426 E02D27/36 E02D35/005 E04H9/145 Y02A30/23 Y02A50/14



Family:

Publication number	Publication date	Application number	Application date
CH713657 A2	20181015	CH20170000421	20170329
EP3601680 A1	20200205	EP20180721454	20180328
WO18178893 A1	20181004	WO20181B52121	20180328

Priority:

CH20170000421 20170329 WO20181B52121 20180328

Probable Assignee: PIERRE CARETTI

Assignee(s): (std): CARETTI PIERRE ; PIERRE CARETTI

Inventor(s): (std): CARETTI PIERRE ; PIERRE CARETTI

Agent(s): WEIHS BRUNO KONRAD; WEIHS BRUNO

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

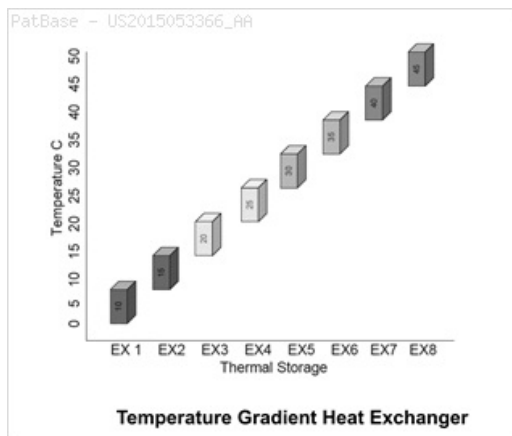
3) Family number: 58583099 (US2015053366A) © PatBase

Title: BUILDING SYSTEM FOR CASCADING FLOWS OF MATTER AND ENERGY

Abstract: It is possible within a bounded system, through manipulation of the built environment using novel combinations of technology, overall system design, and process cycle management, to moderate increases in system entropy for both energy and matter with a structurally coupled external environment. One example embodiment forms an engineered ecosystem, moderating eight primary systems-thermal management, atmospheric optimization, radiation controls, hydrological systems, energy systems, material flows, systems management, and built systems-to provide homeostatic regulation of cascading flows of matter and energy. Ideally the system's symbiotic processes work through reciprocity and devolved autonomy to form the unity of the system that balances resource use, reduces transport requirements, shortens cycles of water, minerals, and residual flows, and offers storage of surplus and reserves. This system enables a stable passive design where in consideration of bounded inputs and outputs, the outputs never exceed inputs.

Classifications:

International (IPC 8-9): A61L2/04 B01D53/047 B01D53/28 C02F3/00 C02F3/30 E04B1/76 E04H14/00 F24F7/007 F24J2/42 F24J3/00 F24S20/60 F24S90/00 F28D20/00 F28D20/02 F28D21/00 (Advanced/Invention)
CPC: F28D20/00 B01D53/047 B01D2253/108 B01D2257/302 B01D2257/404 B01D2257/708 B01D2259/65 Y02E60/142 E04H14/00 Y02B10/20 Y02W10/33 Y02W10/37
US: 165/10



Family:

Publication number	Publication date	Application number	Application date
AU2014308625 AA	20160414	AU20140308625	20140822
AU2014308625 BB	20190404	AU20140308625	20140822
BR112016003568 A2	20170801	BR20161103568	20140822
CA2959080 AA	20170222	CA20142959080	20140822
CN105683699 A	20160615	CN201480057987	20140822
EP3102902 A2	20161214	EP20140838586	20140822
EP3102902 A4	20180808	EP20140838586	20140822
JP2017516969 T2	20170622	JP20160536504T	20140822
SG11201601266X A1	20160330	SG20161101266	20140822
US2015053366 AA	20150226	US20130974038	20130822
US10197338 BB	20190205	US20130974038	20130822
WO15027231 A2	20150226	WO2014US52422	20140822
WO15027231 A3	20150416	WO2014US52422	20140822

Priority:

US20130974038 20130822 WO2014US52422 20140822

Probable Assignee: MELSHEIMER KEVIN

Assignee(s): (std): MELSHEIMER KEVIN ; MELSHEIMER KEVIN HANS

Assignee(s): KEVIN HANS MELSHEIMER

Inventor(s): (std): MELSHEIMER KEVIN HANS

Inventor(s): KEVIN HANS MELSHEIMER

Agent(s): MELSHEIMER KEVIN HANS MR; BRUNACCI MARCO; HIROE AND ASSOCIATES PATENT PROFESSIONAL CORP

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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 75288434 (US2019232180A)

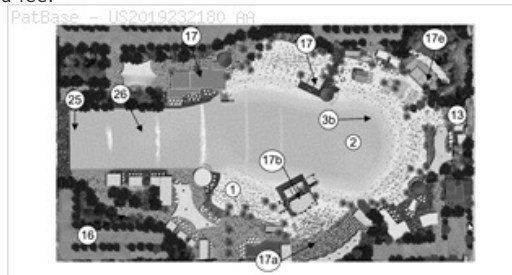
© PatBase

Title: PUBLICLY ACCESSIBLE URBAN BEACH ENTERTAINMENT COMPLEX INCLUDING A SURF FEATURE WITH A CENTERPIECE MAN-MADE TROPICAL-STYLE LAGOON AND METHOD FOR PROVIDING EFFICIENT UTILIZATION OF LIMITED USE LAND

Abstract: A publicly accessible urban beach entertainment complex is disclosed, with a man-made tropical, pristine-clear lagoon as the centerpiece of the complex. The lagoon includes a surf feature and surrounding the lagoon are entertainment, educational, sports, and commercial facilities. The complex has a controlled public access and provides the look and feel of a tropical beach with clear waters and sandy beaches. In addition a method for efficiently utilizing facilities and land that are vacant, underutilized, have limited uses, or that are contiguous to or nearby recreational, educational, sports, or commercial venues is disclosed. The method providing a publicly accessible urban beach entertainment complex with a centerpiece man-made tropical-style pristine-clear lagoon having a surf feature. The method allows for generating revenue and increasing efficiency by pairing vacant sites, underutilized sites, limited use land, or sites that are contiguous to entertainment, educational, sports, and/or commercial venues with urban beach entertainment complexes. The complex preferably has a controlled public access, thereby allowing entrance upon payment of a fee.

Classifications:

International (IPC 8-9): A63G31/00 A63J1/00 A63K1/00 B63B35/44 C02F1/00 C02F1/50 C02F1/56 C02F1/72 C02F103/00 C02F103/42 E01H12/00 E02B1/00 E02B17/00 E02B3/06 E02B3/20 E02B5/00 E02F3/88 E04B1/00 E04B1/342 E04H14/00 E04H17/00 E04H3/00 E04H3/02 E04H3/10 E04H3/14 E04H3/22 E04H4/00 E04H4/12 E04H4/14 E04H4/16 E06B11/02 E06B11/08 F24V40/00 G06Q90/00 G06Q99/00 G07C5/00 G07C9/02 (Advanced/Invention); C02F103/00 C02F103/42 (Advanced/Non-invention)
CPC: A63G31/007 A63J1/00 A63K1/00 G07C5/008 E02B1/00 E02B3/20 E04B2001/0061 E04H3/10 E04H4/00 E04H4/12 E04H4/14 G06Q99/00 C02F1/004 C02F1/50 C02F2103/42 C02F2201/007 C02F2303/04 E04B1/342 E04H3/14 E04H4/1218 E04H4/144 E06B11/02 E06B11/08 A63G31/00 G06Q90/00 E04H3/02 E04H3/22 E04H4/0006 E04H4/1281 E04H17/00 E04H3/00 E04H3/16 E04H4/1245 E04H4/129 E04H4/148 E04H4/16 F24V40/00 G07C9/10 E01H12/00 E02F3/8858 C02F1/72 E02B1/003 C02F1/56 G07C9/02



Family:

Publication number	Publication date	Application number	Application date
--------------------	------------------	--------------------	------------------

AU2018405539 AA	20191024	AU20180405539	20180821
AU2018405539 AA	20190808	AU20180405539	20180821
AU2018405539 AA	20191024	AU20180405539	20180821
AU2018405540 AA	20191024	AU20180405540	20180821
CA3059538 AA	20191009	CA20183059538	20180821
CN110573226 A	20191213	CN201880023101	20180821
CN110621574 A	20191227	CN201880023121	20180821
CO20190010657 A2	20200117	CO20190010657	20190927
CO20190010718 A2	20200117	CO20190010718	20190927
EP3596693 A1	20200122	EP20180903227	20180821
EP3596693 A4	20200122	EP20180903227	20180821
EP3596694 A1	20200122	EP20180904476	20180821
EP3596694 A4	20200122	EP20180904476	20180821
KR20190128085 A	20191114	KR20197032046	20180821
KR20190128733 A	20191118	KR20197032036	20180821
SG11201909800Q A1	20191128	SG20191109800	20180821
SG11201909821Y A1	20191128	SG20191109821	20180821
TW202003080 A	20200116	TW20190102712	20190124
US2019232180 AA	20190801	US20180990314	20180525
US2019236744 AA	20190801	US20180990141	20180525
US2019355083 AA	20191121	US20190528345	20190731
US2020023281 AA	20200123	US20190528359	20190731
US2020023282 AA	20200123	US20190588821	20190930
US2020027186 AA	20200123	US20190588785	20190930
US2020032502 AA	20200130	US20190588801	20190930
US2020032503 AA	20200130	US20190588841	20190930
US10486074 BB	20191126	US20180990314	20180525
US10521870 BB	20191231	US20180990141	20180525
UY38060 A1	20190830	UY20190038060	20190123
UY38061 A1	20190830	UY20190038061	20190123
WO19150159 A1	20190808	WO20181B01084	20180821
WO19150160 A1	20190808	WO20181B01089	20180821

Priority:

US20180625182P	20180201	US20180625190P	20180201	US20180639211P	20180306
US20180990141	20180525	US20180990314	20180525	WO20181B01084	20180821
WO20181B01089	20180821	US20190528345	20190731	US20190528359	20190731
US20190588785	20190930	US20190588821	20190930	US20190588841	20190930
US20190588801	20190930				

Probable Assignee: CRYSTAL LAGOONS CURACAO BV

Assignee(s): (std): CRYSTAL LAGOONS CURACAO BV

Assignee(s): FISCHMANN TORRES FERNANDO BENJAMIN

Inventor(s): (std): FISCHMANN FERNANDO BENJAMIN ; FISCHMANN TORRES FERNANDO ; FISCHMANN TORRES FERNANDO BENJAMIN

Agent(s): DAVIES COLLISON CAVE PTY LTD; RIDOUT AND MAYBEE LLP; HERRMANN UWE; MERCHANT AND GOULD PC

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: 73620449 (WO20008308A1)

© PatBase

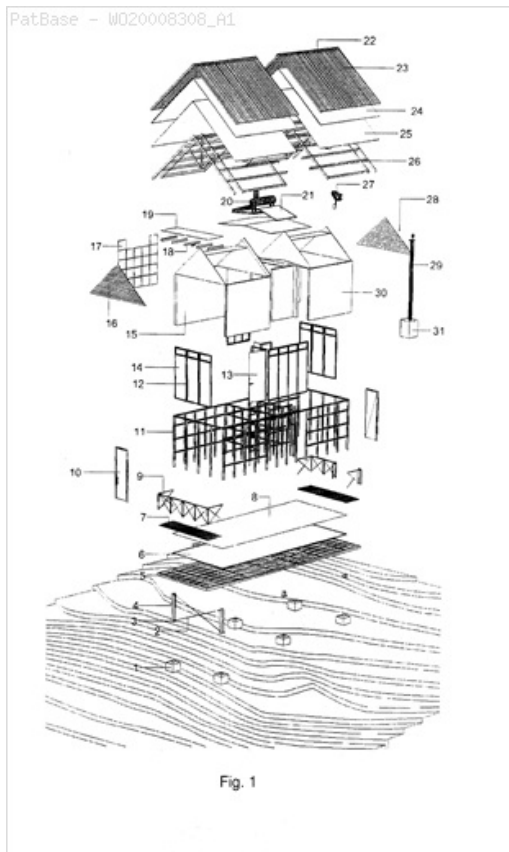
Title: SUSTAINABLE SHELTER

Abstract: The present application relates to an environmentally sustainable habitable structure, having a simple, modular, flexible, lightweight construction, and to a method for constructing the structure using recyclable materials. The new invention proposes a new support mechanism with blocks embedded in flat land or irregular land without requiring excavation and without filling, retaining elements and waterproofing, which reduces the effects of later settlements or ground humidity common in flat land. The structure has its own modular assembly using tensioning elements, nuts, metallic columns, means for securing to the embedded bricks, and mechanisms for using clean energy, reuse of grey water and rainwater, home robotics, solid waste management, and a green roof and walls.

Classifications:

International (IPC 8-9): E04H1/02 E04H15/00 (Advanced/Invention)

CPC: E04H1/02 E04H15/00

**Family:**

Publication number	Publication date	Application number	Application date
CO20180006968 A1	20190118	CO20180006968	20180703
WO20008308 A1	20200109	WO20191B55479	20190628

Priority:

CO20180006968 20180703

Probable Assignee: CAMACHO BARRERA GERMAN RICARDO**Assignee(s):** (std): CAMACHO BARRERA GERMAN RICARDO**Inventor(s):** (std): CAMACHO BARRERA GERMAN RICARDO**Agent(s):** RODRIGUEZ MORALES JHON ALEJANDRO 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 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

6) Family number: 3069463 (DE3151651A1)

© PatBase

Title: Combined emergency-exit/air-filter shaft in shelters

Abstract: Combined emergency-exit/air-filter shaft for shelters, in the form of a shaft (2) which is mounted on the shelter module (1) and closed off with respect to the shelter module and the outside world by an emergency-exit hatch (3 and 6 respectively) in each case, and which contains a filter sand filling (12), through which protective air can be conveyed, as required, by means of a blower (8) via an air duct (9) into the shelter module (1), sand drop flaps (15), via which the filter sand (12) can be let out into collecting spaces (16), being provided.

Classifications:

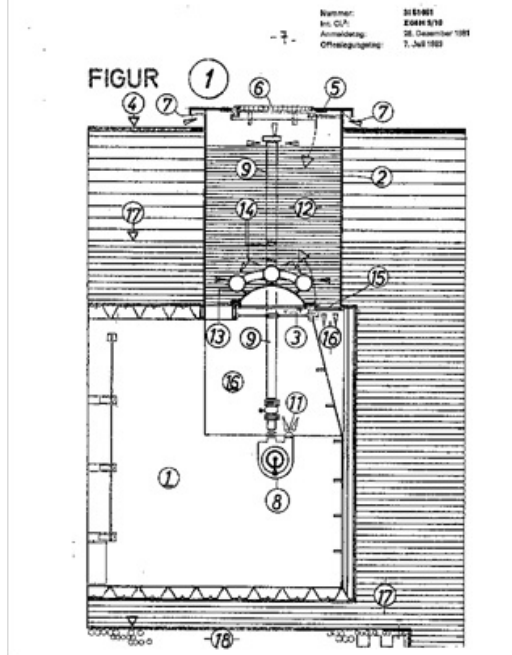
International (IPC 8-9): E04H1/00 E04H9/10
E04H9/12 (Advanced/Invention);

E04H1/00 E04H9/04 (Core/Invention)

International (IPC 1-7): E04H9/10 E04H9/12

CPC: E04H9/12 E04H1/005 E04H9/10

European: E04H1/00B E04H9/10 E04H9/12

**Family:**

Publication number	Publication date	Application number	Application date
DE3024437 A1	19820128	DE19803024437	19800628
DE3024437 C2	19861127	DE19803024437	19800628
DE3151651 A1	19830707	DE19813151651	19811228

Priority:

DE19803024437 19800628 DE19813151651 19811228

Probable Assignee: GUKELBERGER DIETER

Assignee(s): (std): GUKELBERGER DIETER ; GUKELBERGER DIETER DIPL ING FH ; GUKELBERGER DIETER ING GRAD

Assignee(s): GUKELBERGER DIETER DIPL ING FH 7273 EBHAUSEN DE ; GUKELBERGER DIETER ING

Inventor(s): (std): GUKELBERGER DIETER ; GUKELBERGER DIETER DIPL ING ; GUKELBERGER DIETER ING GRAD

Inventor(s): GUKELBERGER DIETER DIPL ING FH 7273 EBHAUSEN DE ; GUKELBERGER DIETER ING

7) Family number: 6612469 (DE3644729A1)

© PatBase

Title: CONSTRUCTION AND FUNCTION SYSTEM FOR CLARIFICATION PLANTS OF SEWAGE AND WASTE WATER OF EVERY TYPE AND MAGNITUDE, WITH ASSOCIATED SET OF CONSTRUCTION ELEMENTS AND FUNCTION ELEMENTS

Abstract: Published without abstract.

Classifications:

International (IPC 8-9): B01D21/00 C02F3/02 (Advanced/Invention);

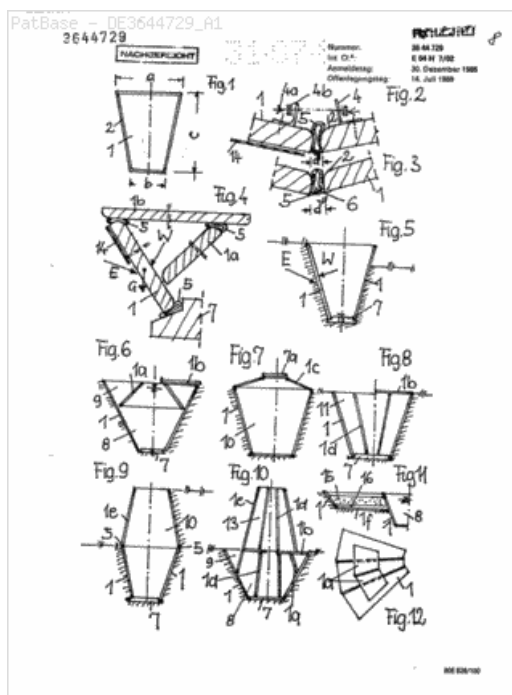
B01D21/00 C02F3/02 (Core/Invention)

International (IPC 1-7): B01D21/02 C02F11/00 C02F3/02 C02F3/28

E03B11/00 E04H7/02

CPC: Y02W10/15 C02F3/02 B01D21/0003

European: B01D21/00B C02F3/02

**Family:**

Publication number	Publication date	Application number	Application date
--------------------	------------------	--------------------	------------------

Priority:

DE19863644729 19861230

Probable Assignee: SCHLEICH JOSEF**Assignee(s):** (std): SCHLEICH JOSEF ; SCHLEICH JOSEF DIPL ING**Inventor(s):** DER ERFINDER WIRD NACHTRÄGLICH BENANNT**8) Family number: 67490529** (CA2929508A)

© PatBase

Title: SMARTEST CITIES**Abstract:** New models for cutting edge technologies to serve interests of super cities better. New products and services that a city should have that is helpful, healthy, and helps people perform and locals and tourists can enjoy.**Classifications:****International (IPC 8-9):** E04B1/00 E04H1/00 (Advanced/Invention)**CPC:** E04H1/00 A63G31/00**Family:**

Publication number	Publication date	Application number	Application date
CA2929508 AA	20171110	CA20162929508	20160510

Priority:

CA20162929508 20160510

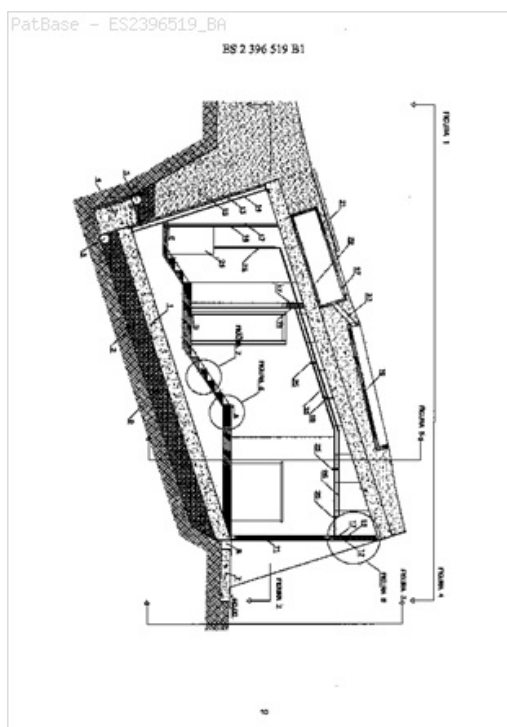
Probable Assignee: VOON GERARD**Assignee(s):** (std): VOON GERARD**Inventor(s):** (std): VOON GERARD**9) Family number: 53084624** (ES2396519A)

© PatBase

Title: EDIFICACION PREFABRICADA SEMIENTERRADA ENERGÉTICAMENTE SOSTENIBLE MANUFACTURED BUILDING half buried sustainable energy (Machine translation)

Abstract: Source: ES2396519A [ES] Edificación cuya característica principal radica en su ubicación semienterrada, lo que le confiere una alta estabilidad de su temperatura interior frente a los cambios de temperatura exterior. Esta formada por un elemento de hormigón armado semienterrado (1), que sujeta las tierras que lo cubren (15), por un espacio interior vividero y por una cámara de aire situada entre ambos elementos (exterior e interior). Esta cámara de aire sirve de elemento regulador de la temperatura del espacio vividero, conservando en su interior aire caliente en época de invierno, y permitiendo la circulación de aire fresco en horas nocturnas en época de verano, creando una sensación de confort climático en el interior de la edificación. La utilización de energía renovables (energía solar fotovoltaica, solar térmica, biomasa, etc...) hace que la edificación sea energéticamente eficiente, reduciendo al mínimo tanto los costes de mantenimiento de la edificación como las emisiones de CO2 a la atmósfera.

Machine translation: Construction whose main feature is its location half buried, giving it a high temperature stability inside versus outside temperature changes. This consists of a half-buried reinforced concrete element (1), which holds the lands that cover (15) for an interior space and a vividero air chamber located between the two elements (exterior and interior). This air chamber serves regulatory element vividero space temperature, keeping warm air inside in winter time, and allowing the circulation of fresh air at night in summer season, creating a sense of comfort in the interior climate Building. The use of renewable energy (solar photovoltaic, solar thermal, biomass, etc...) makes the building is energy efficient by minimizing both the costs of maintaining the buildings and CO2 emissions to the atmosphere.

Classifications:**International (IPC 8-9):** E04H1/12 E04H9/12 (Advanced/Invention)**CPC:** E04H1/12 E04H9/12

Family:

Publication number	Publication date	Application number	Application date
ES2396519 AA	20130222	ES20120000864	20120905
ES2396519 BA	20131226	ES20120000864	20120905

Priority:

ES20120000864 20120905

Probable Assignee: JIMENEZ CARCELES ALBERTO**Assignee(s):** (std): JIMENEZ CARCELES ALBERTO ; VEGA HAZAS REBOLLO JAIME**Assignee(s):** ALBERTO JIMENEZ CARCELES ; JAIME VEGA HAZAS REBOLLO**Inventor(s):** (std): JIMENEZ CARCELES ALBERTO ; VEGA HAZAS REBOLLO JAIME**Inventor(s):** JAIME VEGA HAZAS REBOLLO ; ALBERTO JIMENEZ CARCELES**10) Family number: 17749676 (DE19509466A1)**

© PatBase

Title: LIQ. STORAGE TANK WITH CLOSABLE INLET AND OUTLET

Abstract: The rain and waste water storage tank is intended for underground location. The inner water level in the outer one is communicated by a water line connection, in which is incorporated a control and/or stop member, such as a non-return valve, opening in the direction from outside into inside. Pref. the max. water level in the storage tank is controllable. At least one outlet may be fitted with a device preventing backflow inside the tank. The tank may be divided into several compartments for different use.

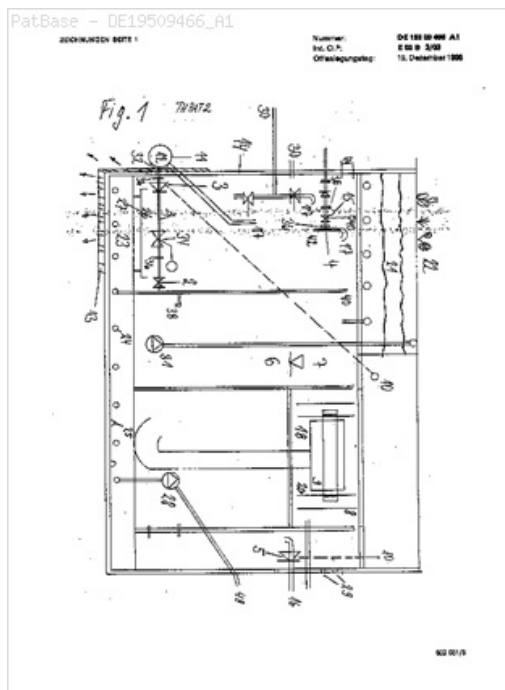
Classifications:

International (IPC 8-9): E02D27/02 E03B1/04 E03B3/03 E03F1/00 E03F11/00 E03F5/10 E04H6/02 (Advanced/Invention); E02D27/02 E03B1/00 E03B3/00 E03F1/00 E03F11/00 E03F5/10 E04H6/02 (Core/Invention)

International (IPC 1-7): B65D88/76 B65D90/12 B65D90/48 E02D27/02 E03B3/03 E03F11/00 E03F5/10 E04H14/00 E04H7/02

CPC: Y02A10/36 Y02A20/106 Y02A20/108 E03F1/002 E03B1/04 E03B3/03 E03B2001/047 E03F5/101 E03F5/107 E03F11/00 E03F5/105 E02D27/02 E04H6/02

European: E02D27/02 E03B1/04 E03B3/03 E03F1/00B E03F11/00 E03F5/10 E03F5/10B E03F5/10H E03F5/10H4 E04H6/02 P03B1/04B22

**Family:**

Publication number	Publication date	Application number	Application date
DE19509466 A1	19961219	DE19951009466	19950320
DE19509467 A1	19970306	DE19951009467	19950320
DE19613523 A1	19971016	DE19961013523	19960403
DE29522248 U1	20010125	DE19952022248U	19950320
DE29614816 U1	19970213	DE19962014816U	19960827

Priority:

DE19951009466 19950320 DE19951009467 19950320 DE19952022248U 19950320
DE19961013523 19960403 DE19962014816U 19960827

Probable Assignee: HERRMANN THILO DIPL GEOOEKOLOG**Assignee(s):** (std): HERRMANN THILO ; HERRMANN THILO DIPL GEOOEKOLOG ; THILO HERMANN**Assignee(s):** THILO HERMANN 30451 HANNOVER DE ; HERRMANN THILO DIPL GEOOEKOLOGE ; HERRMANN THILO DIPL GEOOEKOLOGE 30451 HANNOVER DE ; HERRMANN THILO 30451 HANNOVER DE**Inventor(s):** (std): HERRMANN THILO ; THILO HERMANN**Inventor(s):** HERRMANN THILO DIPL GEOOEKOLOGE ; THILO HERMANN 30451 HANNOVER DE ; HERRMANN THILO DIPL GEOOEKOLOGE 30451 HANNOVER DE**11) Family number: 72482680 (US2018361906A)**

© PatBase

Title: PORTABLE LIVING STRUCTURE AND ASSEMBLY

Abstract: The present invention comprises a self-contained mobile living space that mimics the amenities of an entire residential property in order to affordably house individuals, particularly in urban environments. All living necessities are fused into one micro-living platform, independent of access to existing structures, land space, electricity, or sewage hookups, allowing landowners to rent out space with limited effort. The wheeled foundation allows the assembly to circumvent some of

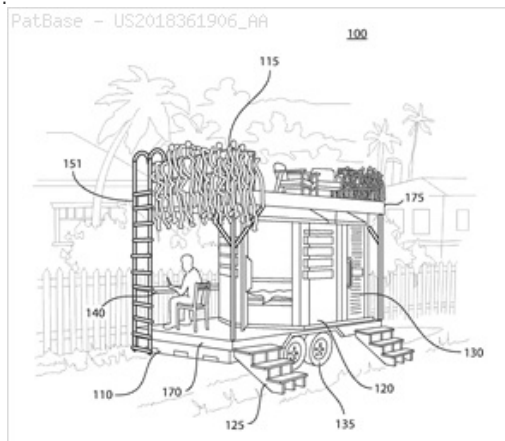
the existing urban building codes. In preferred embodiments, the various elements are configured in such a way that separate areas for sleeping, leisure, bathing, cooking, and gardening can be had atop a single compact space, with the use of exterior space maximized to heighten the sense of spatial availability for the occupant. The invention provides a novel alternative for affordable urban housing, exploiting available residential land without the expense, permitting, or effort associated with permanent construction on a non-portable foundation.

Classifications:

International (IPC 8-9): B60P3/36 B60R15/02 B60R15/04 E03B1/04 E04B1/343 E04H1/02 H02S10/40 (Advanced/Invention)

CPC: B60P3/36 E04B1/34336 E04H1/02 H02S10/40 B60R15/04 E03B1/041 B60R15/02 E04H1/1205 E03B2001/045 E03B2001/047 H02S20/30

US: 1/1 296/168



Family:

Publication number	Publication date	Application number	Application date
US2018361906 AA	20181220	US20180007916	20180613
US10549675 BB	20200204	US20180007916	20180613

Priority:

US20170519477P 20170614 US20180007916 20180613

Probable Assignee:

DEVINE MATT TK

Assignee(s): (std):

DEVINE MATT TK

Assignee(s):

DEVINE MATT T K

Inventor(s): (std):

DEVINE MATT TK

Inventor(s):

DEVINE MATT T K

Agent(s):

NIXON PEABODY LLP

12) Family number: 58640880 (US2015125212A)

© PatBase

Title: FLOATING LAKE SYSTEM AND METHODS OF TREATING WATER WITHIN A FLOATING LAKE

Abstract: The present invention relates to floating lakes and to the treatment of the water in such lakes. The present invention further relates to large floating lakes that can be installed within a natural or artificial water body to improve water conditions that are unsuitable for recreational uses. The floating lake can be provided with a chemical application system; a filtration system including a mobile suctioning device and filters; a skimmer system, and optionally a coordination system.

Classifications:

International (IPC 8-9): B01D21/00 B01D21/01 B63B35/00 B63B35/73 C02F C02F1/00 C02F1/44 C02F1/467 C02F1/52 C02F1/54 C02F1/56 C02F1/66 C02F1/72 C02F1/76 C02F1/78 C02F103/00 C02F103/02 C02F103/42 C02F11/12 C02F9/00 C02F9/02 C02F9/04 E02B15/00 E02B15/04 E02B15/06 E02B15/08 E02B3/00 E04H E04H4/00 E04H4/04 E04H4/12 E04H4/16 (Advanced/Invention);

C02F1/00 C02F1/44 C02F1/467 C02F1/52 C02F1/56 C02F1/72 C02F1/76 C02F1/78 C02F103/00 C02F103/02 C02F103/42 (Advanced/Non-invention);

B01D21/00 C02F1/00 C02F9/00 E02B15/00 E04H4/00 (Core/Invention);

C02F E04H (Subclass/Invention)

CPC: B63B35/73 C02F1/66 E04H4/00 E04H4/16 C02F1/004

C02F1/008 C02F1/442 C02F1/444 C02F1/4672 C02F1/52

C02F1/5245 C02F1/56 C02F1/72 C02F1/722 C02F1/76 C02F1/78

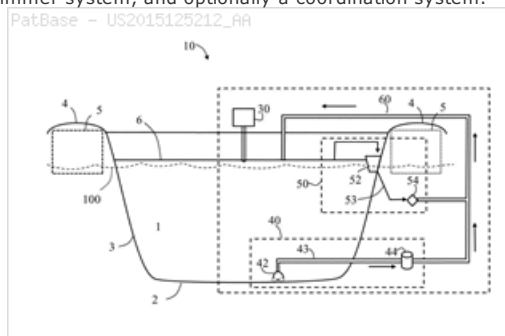
C02F9/00 C02F2103/007 C02F2103/023 C02F2103/42 C02F2201/006 C02F2209/001 C02F2209/005 C02F2209/03

C02F2209/04 C02F2209/06 C02F2209/07 C02F2209/11 C02F2209/36 C02F2209/44 C02F2303/10 E04H4/0012 E04H4/1209

Y02W10/30 E02B15/04 E02B15/041 E02B15/045 E02B15/06 E02B15/0807 E02B15/0814 B01D21/0012 B01D21/01 C02F1/001

C02F2001/007

US: 1/1 210/167.3 210/712 405/63



Family:

Publication number	Publication date	Application number	Application date
AP201609059 A0	20160229	AP20160009059	20141104
AR098320 AA	20160526	AR2014P104167	20141105
AU2014347797 AA	20160218	AU20140347797	20141104
AU2014347797 BB	20190117	AU20140347797	20141104
AU2014347797 BI	20190131	AU20140347797	20141104
BR112016002808 A2	20170905	BR20161102808	20141104
CA2919950 AA	20160129	CA20142919950	20141104
CA2919950 C	20190108	CA20142919950	20141104
CL2016000725 A1	20161007	CL20160000725	20160329
CL55617 B	20180319	CL20160000725	20160329
CN105705464 A	20160622	CN201480053380	20141104
CN105705464 B	20190402	CN201480053380	20141104
CO16112017 A2	20160510	CO20160112017	20160502

CO7600658 A2	20160510	CO20160112017	20160502
CR20160071 A	20160712	CR20160000071	20160212
CU20160025 A7	20160930	CU20160000025	20160225
CU20160025 A7	20160930	CU20160000025	20141104
CU24403 B	20190503	CU20160000025	20141104
DE602014042021 D1	20190321	DE201460042021T	20141104
DK3066056 T3	20190520	DK20140841384T	20141104
DOP2016000046 A	20160315	DO20160000046	20160209
EA028612 B1	20171229	EA20160090417	20141104
EA031868 B1	20190329	EA20170090372	20141104
EA201690417 A1	20160729	EA20160090417	20141104
EA201790372 A1	20170731	EA20170090372	20141104
EP3066056 A2	20160914	EP20140841384	20141104
EP3066056 B1	20190227	EP20140841384	20141104
ES2725606 T3	20190925	ES20140841384T	20141104
GC9077 A	20181105	GC2014P028300	20141111
GE20186904 B	20181025	GE20140014088	20141104
HK1222635 A1	20170707	HK20160110751	20160909
HR20190788 T1	20190628	HR20190000788	20190426
HU044463 T2	20191028	HU20140841384T	20141104
ID201712998 A	20171130	ID2016P0000954	20141104
IL243820 A0	20160421	IL20140243820	20141104
IN201637007714 A	20160701	IN201637007714	20160304
JP2017500203 T2	20170105	JP20160545069T	20141104
JP6266793 B2	20180124	JP20160545069T	20141104
KR101956697 B1	20190619	KR20187017396	20141104
KR20160033759 A	20160328	KR20167004333	20141104
KR20180071417 A	20180627	KR20187017396	20141104
LT3066056 T	20190527	LT20140841384T	20141104
MA38906 A1	20160930	MA20140038906	20141104
MA38906 A1	20160930	MA20160038906	20160311
MA38906 B1	20181130	MA20140038906	20141104
MX2016002298 A1	20160615	MX20160002298	20141104
MX357471 B	20180709	MX20160002298	20141104
NZ716959 A	20170526	NZ20140716959	20141104
PE06262016 A1	20160625	PE20160000262	20141104
PE20160626 A1	20160625	PE20160000262	20141104
PH2016500297 A	20160516	PH20160500297	20160212
PH2016500297 B	20160516	PH20160500297	20160212
PL3066056 T3	20190830	PL20140841384T	20141104
PT3066056 T	20190530	PT20140841384T	20141104
RS58663 B1	20190628	RS20190000536	20141104
SG11201601064T A1	20160330	SG20161101064	20141104
SI3066056 T1	20190628	SI20140031187T	20141104
TN2016000060 A1	20170705	TN20160000060	20141104
TR201907130 T4	20190621	TR20190007130T	20141104
UA115278 C2	20171010	UA20160001806	20141104
US2015125212 AA	20150507	US20140531395	20141103
US2017191237 AA	20170706	US20170462534	20170317
US9920498 BB	20180320	US20140531395	20141103
US10017908 BB	20180710	US20170462534	20170317
UY35822 A1	20141231	UY20140035822	20141105
WO15068042 A2	20150514	WO2014IB02991	20141104
WO15068042 A3	20150820	WO2014IB02991	20141104
ZA201601028 A	20170222	ZA20160001028	20160215

Priority:

US20130531395 20131103 US20130900308P 20131105 US20140531395 20141103
EP20140841384 20141104 WO2014IB02991 20141104 US20170462534 20170317

Probable Assignee: CRYSTAL LAGOONS CURACAO BV

Assignee(s): (std): CRYSTAL LAGOONS CURACAO BV ; FISCHMANN FERNANADO BENJAMIN

Assignee(s): FISCHMANN FERNANDO BENJAMIN

Inventor(s): (std): BENJAMIN FISCHMANN FERNANDO ; FISHMANN TORRES FERNANDO BENJAMIN ; CRYSTAL LAGOONS CURACAO BV ; FISCHMANN FERNANDO ; FISCHMANN FERNANDO BENJAMIN FB ; FISCHMANN TORRES FERNANDO BENJAMIN ; FERNANDO BENJAMIN FISCHMANN ; FISCHMANN FERNANDO BENJAMIN

Inventor(s): FISCHMANN FERNANADO BENJAMIN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; ROBIC; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; CAROLINA MERCEDES DAZA MONTALVO; CARVAJAL Y URQUIJO ISABEL; LEHMANN NOVO MARIA ISABEL; ABU GAZALEH INTELLECTUAL PROPERTY LLC; CLT PATENT AND TRADEMARK HK LTD; TONY R SIMBOLON; ROMI EMIRAT SH; TOLGA CAYLAK; MERCHANT AND GOULD PC

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

Abstract: Source: DE9404640U1 [DE] (Claim 1) Bauwerk in Fertigbauweise aus Stahlbeton oder einem Ersatzstoff Ansprüche 1. Bauwerk in Fertigbauweise aus Stahlbeton oder einem Ersatzstoff mit einem Boden, Seitenwänden und Stirnwaenden sowie einer oberhalb des Bodens verlaufenden Abdeckplatte (10), wobei die Abdeckplatte die Basis einer Stellflaeche fuer mindestens ein Kraftfahrzeug bildet und der unterhalb der Abdeckplatte befindliche Bereich des Bauwerks zum Einbau im Erdreich vorgesehen ist und wobei unterhalb der Abdeckplatte innerhalb des Bauwerks ein Fluessigkeitsspeicher mit Ein- und Auslass ausgebildet ist, dadurch gekennzeichnet, dass die Abdeckplatte (10) zur Einbeziehung in eine Parkflaeche (16) vorgesehen ist, dass der Fluessigkeitsspeicher (12) ein Wasserspeicher ist, dass der Einlass (14) des Wasserspeichers (12) ein Zulaufanschluss von Niederschlagswasser und/oder Abwasser und/oder Grund- oder Oberflaechenwasser ist, und dass der Auslass (24) des Wasserspeichers als Brauchwasseranschluss (26) und/oder Entsorgungsanschluss (28) vorgesehen ist.

Machine translation: (Claim 1) building in prefabricated reinforced concrete or a substitute claims 1 Building in prefabricated reinforced concrete or a substitute with a bottom, sidewalls and Stirnwaenden and a line extending above the bottom plate (10), wherein the cover plate, the base of a mounting surface provides for a minimum of a motor vehicle and the underneath of the cover plate located area of the building for installation ground is provided and is being formed under the cover inside the building one Fluessigkeitsspeicher with inlet and outlet, wherein the cover plate (10) for inclusion in a Parkflaeche (16) is provided that the Fluessigkeitsspeicher (12) is a water storage that the inlet (14) of the water tank (12), an inlet connection of rainwater and / or wastewater and / or basic or Oberflaechenwasser is, and that the outlet (24) of the water tank as hot water supply (26) and / or disposal of connection (28) is provided.

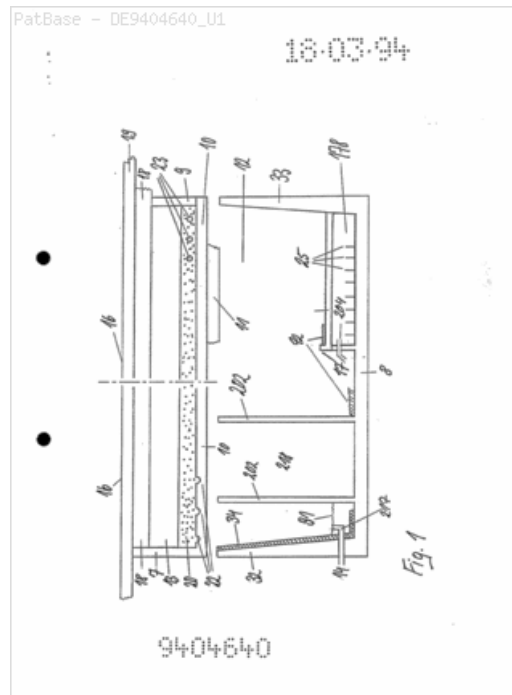
Classifications:

International (IPC 8-9): E04H6/02 (Advanced/Invention); E04H6/02 (Core/Invention)

International (IPC 1-7): E03B3/03 E04B1/348 E04H6/00

CPC: E04H6/02

European: E04H6/02



Family:

Publication number	Publication date	Application number	Application date
DE9404640 U1	19950831	DE19940004640U	19940318

Priority:

DE19940004640U 19940318

Probable Assignee: ZAPF WERNER KG

Assignee(s): (std): ZAPF WERNER KG

Assignee(s): WERNER ZAPF 95448 BAYREUTH DE KG ; WERNER ZAPF KG 95448 BAYREUTH DE

14) Family number: 10838995 (WO9525852A1)

© PatBase

Title: PREFABRICATED STRUCTURE OF FERROCONCRETE OR A SUBSTITUTE MATERIAL

Abstract: The invention relates to a prefabricated structure of ferroconcrete or a substitute material with a base (8), side walls (33) and facing walls and a cover plate (10) above the base, in which the cover plate forms either a parking area for at least one motor vehicle or the floor plate of a cell, especially a garage cell, and the region of the structure beneath the cover plate is designed for sinking into the earth, and in which a liquid reservoir with an inlet and outlet is formed beneath the cover plate inside the structure. The liquid reservoir is a water tank (12), the inlet union of which is intended for rainwater, waste water and/or ground or surface water and the outlet is intended for a waste water or water disposal connection.

Classifications:

International (IPC 8-9): E03B1/04 E03B11/00 E03B3/03 E03F5/10 E04H6/02 (Advanced/Invention);

E03B1/00 E03B11/00 E03B3/00 E03F5/10 E04H6/02 (Core/Invention)

International (IPC 1-7): E03B1/04 E03B11/00 E03B3/02 E03B3/03

E04H14/00 E04H6/00 E04H6/02

CPC: Y02A10/36 E03F5/101 E03B11/00 E03F5/107 E04H6/02

European: E03B11/00 E03F5/10 E03F5/10B E03F5/10H4 E04H6/02

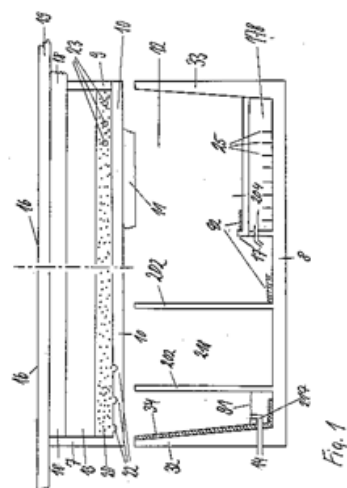


Fig. 1

Family:

Publication number	Publication date	Application number	Application date
AT183794 E	19990915	AT19950913133T	19950316
CZ302995 A3	19960515	CZ19950003029	19950316
CZ9503029 A3	19960515	CZ19950003029	19950316
DE4409396 C1	19950810	DE19944409396	19940318
DE59506679 D1	19990930	DE19955006679	19950316
EP0699255 A1	19960306	EP19950913133	19950316
EP0699255 B1	19990825	EP19950913133	19950316
PL176565 B1	19990630	PL19950310984	19950316
PL310984 A1	19960122	PL19950310984	19950316
WO9525852 A1	19950928	WO1995EP00976	19950316

Priority:

DE19944409396 19940318 DE19955006679 19950316 WO1995EP00976 19950316

Probable Assignee: ZAPF GMBH AND CO

Assignee(s): (std): ZAPF GMBH AND CO ; ZAPF WERNER KG

Assignee(s): WERNER ZAPF 95448 BAYREUTH DE KG ; WERNER ZAPF KG ; WERNER ZAPF KG 95448 BAYREUTH DE

Inventor(s): (std): HERRMANN THILO ; ZAPF WERNER

Inventor(s): ZAPF WERNER 95448 BAYREUTH DE

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