

Search history

Search 1: bioclimatic and system (Results 35)
Search 2: passive (Results 122491)
Search 3: 1 and 2 (Results 10)

1) Family number: 10128386 (US5891399A)

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Title: Cleaning arrangement including filters and ultraviolet radiation

Abstract: Source: US5891399A PCT No. PCT/NO94/00194 Sec. 371 Date Jan. 17, 1997 Sec. 102(e) Date Jan. 17, 1997 PCT Filed Dec. 1, 1994 PCT Pub. No. WO95/17634 PCT Pub. Date Jun. 29, 1995A device used in an air purifying system. The device includes an ultraviolet radiation source, a pre-filter, and a post-filter. The pre-filter is arranged adjacent to the ultraviolet light source such that the pre-filter is irradiated by the ultraviolet light source to destroy bacteria, virus, or other organisms on the pre-filter. The device also includes a cover that is movable between an open and closed position. In the closed position, the device operates in a passive mode to irradiate air within the device and to filter air through filters in the device. In the open position, the device operates in an active mode to irradiate an area external of the device and to simultaneously filter air through a filter in the device.

Classifications:

International (IPC 8-9): A61L2/08 A61L9/16 A61L9/20 B01D46/00 F24F3/16 (Advanced/Invention);
A61L2/08 A61L9/16 A61L9/20 B01D46/00 F24F3/16 (Advanced/Non-invention);

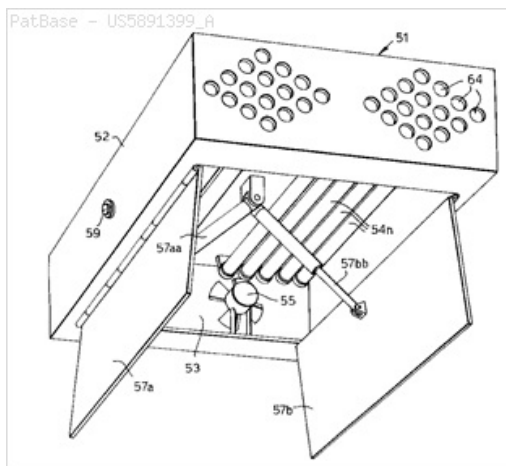
A61L9/16 A61L9/18 B01D46/00 F24F3/16 (Core/Invention)

International (IPC 1-7): A61L2/08 A61L2/10 A61L9/16 A61L9/20 B01D46/00 F24F3/16

CPC: A61L9/20 F24F3/16 F24F2003/1625 F24F2003/1635 F24F2003/1667

European: A61L9/20 F24F3/16 R24F3/16B11A R24F3/16B15 R24F3/16D1

US: 422/121 454/187 96/224



Family:

Publication number	Publication date	Application number	Application date
AP631 A	19980330	AP19960000823	19941201
AP9600823 A0	19960731	AP19960000823	19941201
AU199512048 A1	19950710	AU19950012048	19941201
AU689522 B2	19980402	AU19950012048	19941201
BG100665 A	19970331	BG19960100665	19960618
BRPI9408375 A	19970819	BR1994PI08375	19941201
CA2178806 AA	19960611	CA19942178806	19941201
CN1141074 A	19970122	CN19941094750	19941201
EE9600064 A	19961216	EE19960000064	19941201
EP0736159 A1	19961009	EP19950903046	19941201
FI962596 A	19960820	FI19960002596	19960620
FI962596 A0	19960620	FI19960002596	19960620
HU74543 A2	19970128	HU19960001716	19941201
HU9601716 A0	19960828	HU19960001716	19941201
JP9509340 T2	19970922	JP19950517333T	19941201
KR19970700304 A	19970108	KR19960703326	19941201
LV11638 A	19961220	LV19960000302	19960722
LV11638 B	19970620	LV19960000302	19960722
NO301250 B1	19970929	NO19960002625	19960620
NO934765 A	19950623	NO19930004765	19931222
NO934765 A0	19931222	NO19930004765	19931222
NO962625 A	19960620	NO19960002625	19960620
NO962625 A0	19960620	NO19960002625	19960620
NZ277127 A	19980126	NZ19940277127	19941201
OA10365 A	20011119	OA19960060851	19960620
PL315156 A1	19961014	PL19940315156	19941201
RU2121629 C1	19981110	RU19960115343	19941201
RU96115343 A	19990120	RU19960115343	19960719
SK80996 A3	19970205	SK19960000809	19941201
US5891399 A	19990406	US19970666342	19970117

Priority:

NO19930004765 19931222 NO19930004765 19940225 NO19960002625 19960620
 WO1994N000194 19941201

Probable Assignee: KLEAN AS**Assignee(s):** (std): KLEAN AS ; OWESSEN YNGVAR S**Assignee(s):** KLEAN RUDSLETTA AS ; KLEAN A S**Inventor(s):** (std): OWESSEN Y S ; OWESSEN YNGVAR S ; YNGVAR S OWESSEN ; INGVAR S OWESSEN ; YNGVAR OWESSEN S ; OWESSEN YNGVAR S MR ; MR OWESSEN YNGVAR S**Inventor(s):** INGVAR S.OWESSEN ; Y S OWESSEN**Agent(s):** FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; SIM AND MCBURNEY**Designated states:** AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IT JP KE KG KP KR KZ LI LK LR LT LU LV MC MD MG ML MN MR MW NE NL NO NZ PL PT RO RU SD SE SI SK SN SZ TD TG TJ TT UA US UZ VN**2) Family number: 43815579 (WO09122269A1)**

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Title: COMPOSITE WOOD-GLASS STRUCTURAL PANEL AND PROCESS FOR PRODUCING SAME

Abstract: The present invention relates to a composite wood-glass construction panel in which these materials simultaneously have a functional, an aesthetic and a structural nature. The panel comprises a wooden substructure [5] and two simple laminated structural panes of glass [7], one on each side of the substructure, wherein bonding is carried out by means of a single-component structural adhesive [8] with semi-stiff behaviour after drying. The substructure consists of multiple parallel wooden boards [1] spaced apart by wooden blocks [2] and attached with threaded steel rods [3]. Should the panel serve as a wall, sliding windows can additionally be included, one on the interior face [6] and the other on the exterior face [14], so as to allow ventilation.

Classifications:**International (IPC 8-9):** E04B1/14 E04B2/02 E04C2/26 E04C2/30

E04C2/34 E04C2/54 (Advanced/Invention);

E04C2/34 E04C2/54 (Core/Invention)

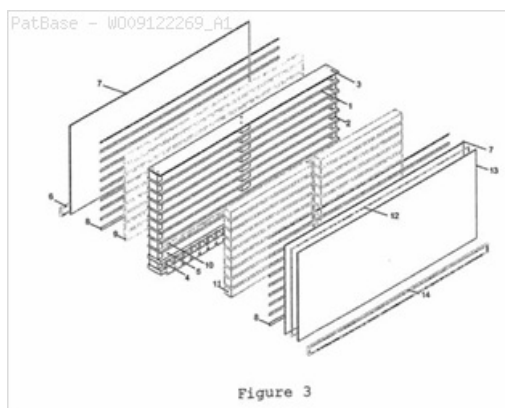
CPC: E04C2/34 E04C2/36 E04C2/543 E04C2002/3488**European:** E04C2/34 E04C2/36 E04C2/54B P04C2/34E

Figure 3

Family:

Publication number	Publication date	Application number	Application date
AT530720 E	20111115	AT20090727148T	20090402
CN102046897 A	20110504	CN200980119636	20090402
DE602009003343 D1	20111222	DE200960003343T	20090402
EP2320002 A1	20110511	EP20090727148	20090402
EP2320002 B1	20111026	EP20090727148	20090402
PT104012 A	20091006	PT20080104012	20080403
PT104012 B	20100331	PT20080104012	20080403
WO09122269 A1	20091008	WO20091B05158	20090402

Priority:

EP20090727148 20090402 PT20080104012 20080403 WO20091B05158 20090402

Probable Assignee: DOMINGOS DA SILVA TEIXEIRA S A**Assignee(s):** (std): BOTAS PEQUENO JOSE MANUEL ; DE SOUSA CRUZ PAULO JORGE ; DOMINGOS DA SILVA TEIXEIRA S A ; LEAL PACHECO JOSE ALBERTO ; UNIV DO MINHO**Assignee(s):** UNIVERSIDADE DO MINHO ; DOMINGOS DA SILVA TEIXEIRA SA**Inventor(s):** (std): ALBERTO LEAL PACHECO JOSE ; BOTAS PEQUENO JOSE MANUEL ; CRUZ PAULO JORGE DE SOUSA ; DE SOUSA CRUZ PAULO JORGE ; JORGE DE SOUSA CRUZ PAULO ; LEAL PACHECO JOSE ALBERTO ; MANUEL BOTAS PEQUENO JOSE ; PACHECO JOSE ALBERTO LEAL ; PEQUENO JOSE MANUEL BOTAS**Inventor(s):** PAULO JORGE DE SOUSA CRUZ ; JOSE ALBERTO LEAL PACHECO ; JOSE MANUEL BOTAS PEQUENO**Agent(s):** BUNGARTZ CHRISTOPHERSEN PARTNERSCHAFT MBB PATENTANWALTE; CABRAL DA CUNHA FERREIRA GONCALO MARIA; VIEIRA PEREIRA FERREIRA MARIA SILVINA**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC 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 ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**3) Family number: 44048554 (WO09141714A2)**

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Title: COMBINED WOOD-GLASS SKELETON STRUCTURE AND PROCESS OF PRODUCING SAME**Abstract:** The present invention relates to a combined wood-glass skeleton structure (20) for the building industry, with a

linear element that can be used either in the horizontal (16a) or in the vertical (16b), (16c) position, acting in these cases as a beam (6) or a pillar (11), respectively. The combination of the transparency inherent to glass with a structural use makes it possible to increase the level of natural illumination. It also enables the integration of ventilation systems that can be associated with bioclimatic and eco-efficient functions. The linear pillar-beam element comprises two axial and longitudinal wood parts (1) that are vertically aligned and symmetrically arranged at the top and at the base of the combined transverse section, and two parallel, simple, structural laminated glass panes (2), on either side of said parts, glued together by means of a structural monocomponent adhesive (3), the total assembly enabling uniform strain distribution throughout the surface area of the glass panes which, in turn, permanently protect the wood parts.

Classifications:

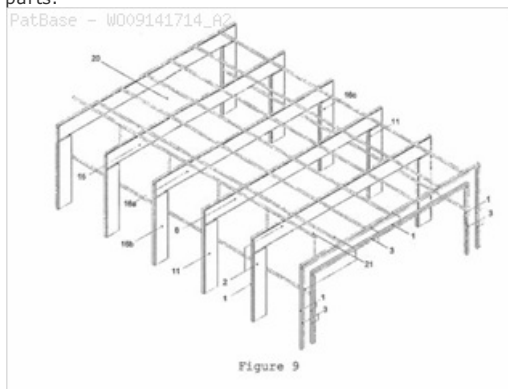
International (IPC 8-9): B32B17/00 E04B1/14 E04B2/02 E04C2/28 E04C3/02 E04C3/28 E04C3/29 E04C3/30 E04C3/36

E04C3/38 (Advanced/Invention);

E04C2/26 (Core/Invention)

CPC: E04B1/30 E04C2/28

European: E04B1/30 E04C2/28



Family:

Publication number	Publication date	Application number	Application date
PT104073 A	20091123	PT20080104073	20080521
PT104073 B	20100309	PT20080104073	20080521
WO09141714 A2	20091126	WO2009IB05666	20090521
WO09141714 A3	20100514	WO2009IB05666	20090521

Priority:

PT20080104073 20080521

Probable Assignee: DOMINGOS DA SILVA TEIXEIRA S A

Assignee(s): (std): BOTAS PEQUENO JOSE MANUEL ; DE SOUSA CRUZ PAULO JORGE ; UNIV DO MINHO ; LEAL PACHECO JOSE ALBERTO ; DOMINGOS DA SILVA TEIXEIRA S A

Assignee(s): DOMINGOS DA SILVA TEIXEIRA SA ; UNIVERSIDADE DO MINHO

Inventor(s): (std): PACHECO JOSE ALBERTO LEAL ; LEAL PACHECO JOSE ALBERTO ; PEQUENO JOSE MANUEL BOTAS ; DE SOUSA CRUZ PAULO JORGE ; CRUZ PAULO JORGE DE SOUSA ; BOTAS PEQUENO JOSE MANUEL

Inventor(s): PAULO JORGE DE SOUSA CRUZ ; JOSE MANUEL BOTAS PEQUENO ; JOSE ALBERTO LEAL PACHECO

Agent(s): VIERA PEREIRA FERREIRA MARIA SILVINA

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 45944498 (ES2342351B)

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Title: DINTEL-CARGADERO BIOCLIMATICO PARA VENTILACION EXTERIOR DE ESPACIOS HABITABLES DINTEL-landing bioclimatic OUTER SPACE REQUIREMENTS VENTILATION (Machine translation)

Abstract: Source: ES2342351B Dintel - cargadero bioclimatico para ventilacion exterior de espacios habitables. El dintel - cargadero bioclimatico para ventilacion exterior de espacios habitables, plantea integrar la funcion estructural de la parte superior de los huecos de fachada de los edificios, con la exigencia de entrada de aire para ventilacion de los espacios habitables, de tal modo que aplicando criterios bioclimaticos en su diseno se pueda acondicionar el aire de entrada mediante sistemas pasivos solares, sin consumo de energia convencional y sin coste ni aportes contaminantes, permitiendo el cumplimiento transversal de los diferentes documentos que componen elCodigo Tecnico de Edificacion, de obligado cumplimiento. La invencion permite ventilacion garantizada y continua, con un caudal minimo normativo, regulable pudiendo ampliarlo. Se conforma con dos partes: una vertical para entrada de aire desde el exterior (4) y el tratamiento bioclimatico del mismo, y otra horizontal (12) para la conduccion del aire al interior de la estancia habitable. Ambas partes integradas en un esqueleto rigido autoportante.

Machine translation: Lintel - bioclimatic landing for exterior ventilation spaces. Lintel - bioclimatic building outside for ventilation of habitable spaces, poses structural integrate the function of the upper hollow facade of buildings, with the demand for air intake for ventilation of habitable spaces, so that applying bioclimatic criteria in its design can condition the incoming air through solar passive systems without conventional energy consumption at no cost or pollutant inputs, allowing cross-compliance of the various documents comprising the Technical Building Code, mandatory. invention allows continuous ventilation and guaranteed with a minimum flow policy, adjustable and can extend it. Complies with two parts: a vertical air flow from the outside (4) and bioclimatic treatment thereof, and a horizontal (12) for driving the air into the room habitable. Both sides built into a rigid self-supporting skeleton.

Classifications:

International (IPC 8-9): E04C3/02 E06B7/10 (Advanced/Invention)

CPC: E04C3/02 E06B7/10

ES 2 342 351 A1

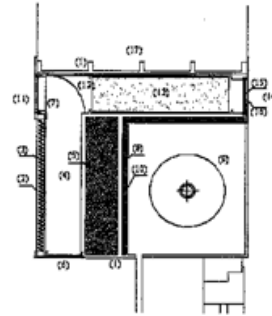


Figure 1

Family:

Publication number	Publication date	Application number	Application date
ES2342351 AA	20100705	ES20070002055	20070724
ES2342351 BB	20110527	ES20070002055	20070724

Priority:

ES20070002055 20070724

Probable Assignee: UNIV ALCALA HENARES**Assignee(s):** (std): UNIV ALCALA HENARES**Assignee(s):** UNIVERSIDAD DE ALCALA**Inventor(s):** (std): ECHEVERRIA VALIENTE ERNESTO ; DA CASA MARTIN FERNANDO ; CHIAS NAVARRO PILAR ; CELIS D AMICO FLAVIO**Inventor(s):** ERNESTO ECHEVERRIA VALIENTE ; FERNANDO DA CASA MARTIN ; FLAVIO CELIS D AMICO ; PILAR CHIAS NAVARRO**5) Family number: 52224812 (WO12146862A1)**

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Title: BIOCLIMATIC HOUSE

Abstract: The present invention relates to a bioclimatic house, which consists of a building with at least one substantially transparent roof portion or panel, said building comprising structurally integrated heat storage means and exterior means for protecting and/or concealing the transparent roof portion or panel. The building (1) is characterized in that it further comprises one or more interior and/or exterior means for heat-insulating said transparent roof portion or panel, which is (are) retractable, and in that at least some, and preferably all of the side walls (7, 7') as well as the ground floor structure (8) of the building incorporate heat-insulating and heat storage components, which are advantageously made of preferably untreated natural materials, the heat storage component consisting of a plurality of mass formations (10") that are spaced apart and exposed to a natural convection or at least partially forced air flow, from and towards the interior space defined by the building (1').

Classifications:**International (IPC 8-9):** E04B1/74 E04B1/76 E04B7/16 E04D13/16

E04D3/06 E04D3/14 E04H1/02 E06B9/00 E06B9/08 E06B9/40

F24J2/00 F24J2/04 F24J2/34 F24J2/50 (Advanced/Invention)

CPC: E06B9/00 E06B9/08 E06B9/40 Y02B10/20 E04H1/02 E04B1/74

E04D3/14 F24J2/0444 F24J2/045 F24J2/34 Y02E10/44 F24J2/0007

European: E04B1/74 E04D3/14 E04H1/02

PatBase - WO12146862_A1

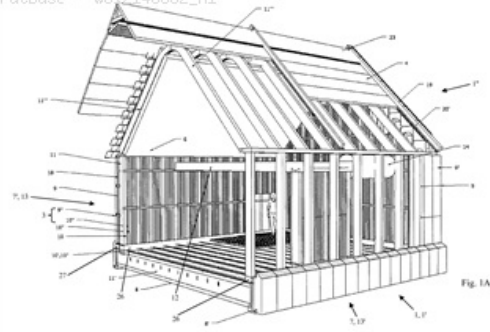


Fig. 1A

Family:

Publication number	Publication date	Application number	Application date
EP2699744 A1	20140226	EP20120724681	20120423
FR2974378 A1	20121026	FR20110053487	20110421
FR2974378 B1	20160318	FR20110053487	20110421
WO12146862 A1	20121101	WO2012FR50883	20120423

Priority:

FR20110053487 20110421

WO2012FR50883 20120423

Probable Assignee: HELIO OIKOS

Assignee(s): (std): HELIO OIKOS ; HELIO OIKOS SOC CIV ILE ; ROUDOT DENIS

Assignee(s): HELIO OIKOS SOCIETE CIVILE

Inventor(s): (std): ROUDOT DENIS

Inventor(s): DENIS ROUDOT

Agent(s): NUSS LAURENT; CABINET NUSS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 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 PE PG PH PL PT QA RO RS RU RW 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: 55187595 (WO13171718A2)

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Title: MODIFICATION PERIPHERAL SYSTEM OF A BUILDING EXTERIOR FACADE

Abstract: The present application discloses a system which combines active and passive bioclimatic solutions allowing to transform the geometric shape of the building through the movements of a peripheral mechanism comprised of ball joints (101, 102, 103), extendable booms (104) and quadrangular frames (105) that sustain panels that can be fixed and sliding photovoltaic panels (106) or photovoltaic screens rollers (107) or an hydraulic impulsion box, are subject to horizontal translation movements with different clearances or oblique and horizontal and vertical rotation enabling various facade compositions, from simple shapes to complex fractals, deconstructive and trans-architectonic of anthropomorphic allusions. The movement control should be done by computer from a database of predefined settings, pressure, wind speed, relative humidity and temperature located sensors further allowing to exclude settings that, for climatic reasons and safety, cannot be used. The disclosed system is applied in the architecture and construction industry.

Classifications:

International (IPC 8-9): F24J2/54 H01L31/042 (Advanced/Invention)

CPC: F24J2/5431 Y02B10/20 H02S30/20 Y02B10/10 F24J2/0444

F24J2/405 F24J2/5266 F24J2002/5489 Y02P80/25 Y02E10/47

H02S20/26 H02S20/30

PatBase - WO13171718_A2

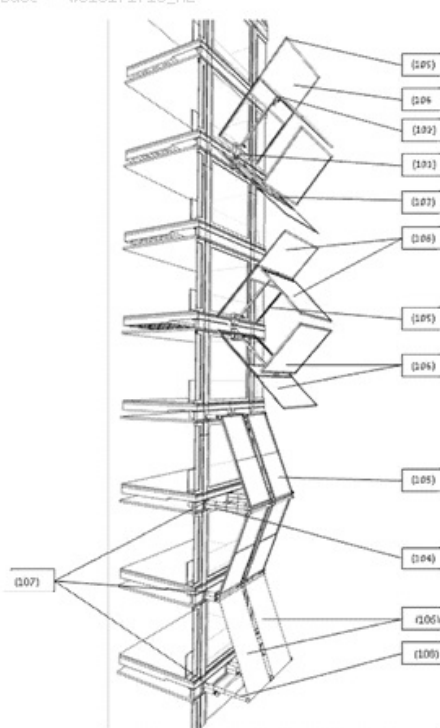


Fig. 1

Family:

Publication number	Publication date	Application number	Application date
WO13171718 A2	20131121	WO2013IB54043	20130517
WO13171718 A3	20140227	WO2013IB54043	20130517

Priority:

PT20120106316 20120517

Probable Assignee: UNIV NOVA DE LISBOA

Assignee(s): (std): FACULDADE DE ARQUITECTURA DA UNIVERSIDADE TECNICA DE LISBOA ; UNIV NOVA DE LISBOA

Assignee(s): FACULDADE DE ARQUITECTURA DA UNIVERSIDADE TECNICA DE LISBOA ; FACULDADE DE CIENCIAS E TECNOLOGIA DA UNIVERSIDADE NOVA DE LISBOA

Inventor(s): (std): DA PALMA GOES JOAO CARLOS ; FLORES ROMAO DE AZEVEDO GONCALVES COELHO ANTONIO M ; GANHAO DA CRUZ PINTO JORGE FILIPE ; MORAIS ANTONIO JOSE ; SAZEDJ SOHEYL

Inventor(s): FLORES ROMAO DE AZEVEDO GONCALVES COELHO ANTONIO MANUEL ; FLORES ROMAO DE AZEVEDO GONCALVES COELHO ANTONIOMANUEL

Agent(s): VIEIRA PEREIRA FERREIRA MARIA SILVINA

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 IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW 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

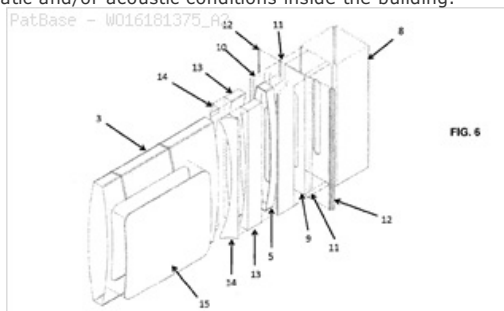
Title: STRUCTURAL SYSTEM OF STEEL PLATES AND WALLS WITH BIOCLIMATIC AND ACOUSTIC APPLICATION

Abstract: Disclosed is a structural system of walls and plates with bioclimatic and acoustic application, relating to the creation of a general structure of buildings, walls, roofs and floors with thermal and acoustic insulation, based on a steel seismic-resistant structure of hollow columns and beams complemented with walls and plates forming oval-shaped tubing made from steel sheets, which can be installed both vertically and horizontally with their own means of adjustment in a building for air recirculation, with interconnected and guided tubular structures containing thermal and acoustic insulation materials that control air flow inside same in order to modify the climatic and/or acoustic conditions inside the building.

Classifications:

International (IPC 8-9): E04B1/24 E04B1/26 E04B1/62 E04B1/74 E04C2/38 (Advanced/Invention)

CPC: E04B1/62



Family:

Publication number	Publication date	Application number	Application date
CO15111107 A1	20160520	CO20150111107	20150514
CO7610153 A1	20160520	CO20150111107	20150514
WO16181375 A2	20161117	WO20161B54128	20160709
WO16181375 A3	20170216	WO20161B54128	20160709

Priority:

CO20150111107 20150514

Probable Assignee: MPS TEOREMA INGENIERIA SAS

Assignee(s): (std): MPS TEOREMA INGENIERIA SAS ; PARRA SAAVEDRA EDGAR HERNAN

Inventor(s): (std): PARRA SAAVEDRA EDGAR HERNAN

Inventor(s): EDGAR HERNAN PARRA SAAVEDRA

Agent(s): MILENA MEJIA OSORIO; MAYA RODRIGUEZ CARLOS ORLANDO 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 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 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

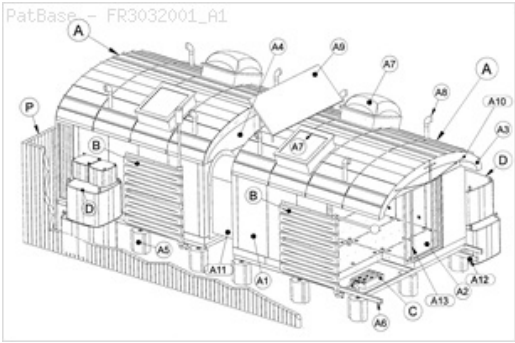
Title: BATIMENT OU HABITAT EN ARCHITECTURE DE GRAPPE TALUTEE ANTISISMIQUE ET BIOCLIMATIQUE BUILDING OR HABITAT IN ARCHITECTURE AND EARTHQUAKE CLUSTER talutee BIOCLIMATIC (Machine translation)

Abstract: Source: FR3032001A La presente invention concerne le domaine de la construction de batiment et d'habitat bioclimatique antisismique fragmente en forme de grappe, sur une base de cellules reliees autonomes structurelles autoproteuses, prefabriquees en caissons ossature bois et composites encapsulees, caissons structuraux realises par un procede composite sous vide d'air en moule rigide ou souple par injection ou infusion de resine bio sourcee de preference. Batiment isole thermiquement par une formation massique de terre apportant une ressource geothermique, ladite invention appartient plus particulierement au domaine du batiment et du logement modulable juxtaposable et extensible, evolutif et demontable, en residence principale ou secondaire, mais encore en logement individuel ou collectif jumele ou non, regroupe en quartier residentiel ou isole, a caractere locatif ou prive, de loisir ou de commerce ou industriel et ceci idealement en autonomie d'energie. Plus specifiquement l'invention a pour but de proposer une construction antisismique de type bioclimatique basse consommation ou passive apportant une solution aux exigences des nouvelles et futurs normes des batiments a energie positive selon la reglementation thermique maison RT2020 et batiment a energie positive BEPOS connues a ce jour. La conception de ce type de batiment est issue de connaissances en architecture navale adaptee au batiment, conception mecanique et composite, permettant d'aboutir au developpement d'un produit manufacturable rationnel et pragmatique repondant a l'evolution du milieu humain du vingt et unieme siecle. L'invention fait appel a plusieurs domaines techniques dont le principal est la construction antisismique, puis la construction bioclimatique, et enfin l'isolation a haute inertie thermique par formation massique de terre en enceinte par talutage geothermique. The present invention relates to the field of building construction and bioclimatic habitat fragments Earthquake shaped cluster on a basic structural autonomous cells connected self-supporting, prefabricated wood-frame cabinets and composite encapsulated structural caissons realized by a composite process in air vacuum in rigid or flexible mold by injection or infusion of resin Sourcee preferably organic. Building thermally isolated by a land mass formation providing geothermal resource, the present invention more particularly relates to the field of the building and modular housing stackable and extensible, evolutionary and demountable, in primary or secondary residence, but in individual or collective housing paired or no, gathers in residential area or isolated, a rental or private nature, recreation or commerce or industry and this ideally in energy independence. More specifically the invention aims to propose a seismic construction bioclimatic low energy or passive kind providing a solution to the demands of new and future standards of the buildings has positive energy as thermal regulation RT2020 house and building a positive energy that has known BEPOS day. The design of this type of building is the result of knowledge in naval architecture adapted to the building, mechanical design and composite, to lead to the development of a rational and pragmatic manufacturable product replying to the evolution of the human environment of the twenty-first century. The invention uses several technical areas whose primary is earthquake-resistant and bioclimatic construction, and finally the insulation has high thermal inertia mass training earthen enclosure with sloping Geothermal.

Classifications:

International (IPC 8-9): E04B1/348 E04B1/76 E04B1/98 E04D13/16 E04H1/02 (Advanced/Invention)

CPC: E04H1/02 E04H1/005 E04H1/1205 E04H9/021 E04H9/028 E04B1/10 E04B1/3205 E04B1/34838 E04B2001/0076 E04B2001/0084



Family:

Publication number	Publication date	Application number	Application date
FR3032001 A1	20160729	FR20150000132	20150122

Priority:

FR20150000132 20150122

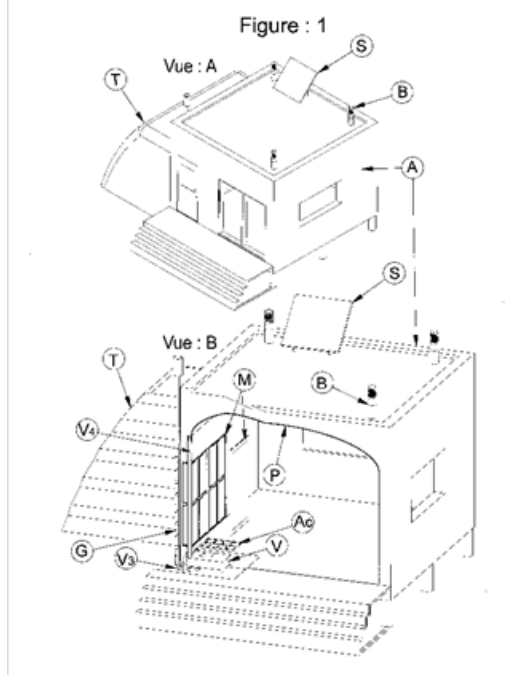
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Agent(s):	FRANCK PROVOST

9) Family number: 63207518 (FR3032782A) © PatBase

Title: VENTILATION VORTEX MECANIQUE A CIRCUIT COURT EVOLUTIVE ET AUTONOME VORTEX BREAKDOWN MECHANICAL CIRCUIT COURT AND SCALABLE SELF (Machine translation)

Abstract: Source: FR3032782A Ventilation Vortex Mecanique a Circuit Court Evolutive et Autonome, dispositif destine a renouveler l'air a l'interieur de l'habitat sur vide sanitaire, ceci notamment afin de ventiler, chauffer, rafraichir et reguler le taux d'humidite interne dudit habitat, mais aussi de lutter contre les pollutions internes. Le dispositif apporte une solution dans le domaine de la ventilation et du chauffage multi sources, en additionnant un prechauffage geothermique, l'inertie des murs et du plancher du batiment, le principe du double flux ameliore via des echangeurs thermiques modulables, realise sous la forme d'un caisson multi entrees/sorties d'air, equipe de ventilateurs electriques, de filtres, et d'elements chauffants. Ledit dispositif VMC possede une capacite avantageuse de modularite et d'evolution, en simple flux uniquement, simple flux avec evacuation de l'air vicié, double flux avec evacuation de l'air vicié, double flux avec effet "Bi Face", avec ou sans chauffage electrique par elements chauffants, et ceci par simple mise en version de fonctionnalites additionnelles en couche empilables d'echangeurs thermiques a plaques et serpentins de tres grande surface, par simple superposition de 3 niveaux d'echangeurs, couples a des cheminées permettant aux flux de traverser les niveaux. Ledit dispositif donne la possibilite de completer le caisson, par ajout de fonctions techniques selon les capacites financieres etalees dans le temps, ou de revenir en arriere, selon les changements climatiques, ou deplacement du dispositif vers un autre endroit du batiment. Dispositif VMC passif et autonome qui apporte une solution bioclimatique a rendement maximal, alimente par une source electrique naturelle. Vortex Mechanical Ventilation has Evolutionary Circuit Court and Autonomous, device indicated to renew the air inside the crawl space habitat This particular to ventilate, heat, cool and regulate the internal humidity rate said habitat, but also to fight against internal pollution. The device provides a solution in the field of ventilation and heating multi sources, adding a geothermal preheating, the inertia of the walls and floor of the building, the principle of double flow improves via modular heat exchangers, realized in the form a multi inputs / outputs air box, team electric fans, filters, and heating elements. Said VMC device possesses an advantageous modularity and ability to Evolution in single stream only, single stream with air evacuation vitiates, double flow with air evacuation vitiates, turbofan with effect "Bi Face", with or without electric heating with heating elements, and this by simple version with additional functionalities stackable layer of heat exchangers plates and coils has very large area, by simple superposition of 3 levels of exchangers, couples are fireplaces allowing flow crossing levels. The device gives the opportunity to complete the box by adding technical functions according to the financial capacity spread over time, or go back, as climate change, or displacement of the device to another location in the building. VMC device and passive self that makes a bioclimatic solution peak performance, powered by natural electrical source.

Classifications:
International (IPC 8-9): F24F7/06 F28D1/047 (Advanced/Invention)
CPC: F24F12/006 Y02B30/563 F28D1/0477 F24J3/081 Y02E10/12



Family:

Publication number	Publication date	Application number	Application date
FR3032782 A1	20160819	FR20150000277	20150212

Priority:

FR20150000277 20150212

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10) Family number: 65422177 (MX2015009496A)

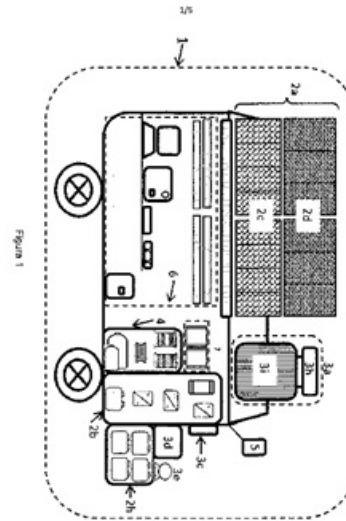
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Title: ECOLOGICAL BIOCLIMATIC SYSTEM FOR SUPPLYING WATER AND ENERGY IN A HOUSING.

Abstract: The present disclosure is related to an eco-technological alternative which provides an integral energy assurance, using renewable and alternative energy in hybrid energy systems, applicable to different types of constructions, to solve a new living environment based on the environmentally friendly housing construction, energy-saving equipment installation and the optimization of the existing natural resources. Two photovoltaic systems (PVS) were integrated into the housing, the first one, of 1 kW is interconnected to an inverter to generate AC to power basic appliances. The other 600 W PVS, generates DC; which is used for LED lighting and also for powering the fuel cell controller (CC). The power electronics is controlled by a PLC which helps regulating and distributing energy in the housing. A rainwater recovery system is also integrated in conjunction with a solar heater to complement the sustainability concept. A hydrogen technologic system was also added, to use the surplus energy from the PVS in an electrolyzer to generate hydrogen; same that is stored in two metal hydride tanks to feed 500 W of DC and also used as a backup system.

Classifications:

International (IPC 8-9): H02J13/00 (Core/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
MX2015009496 A1	20170123	MX20150009496	20150723

Priority:

MX20150009496 20150723

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