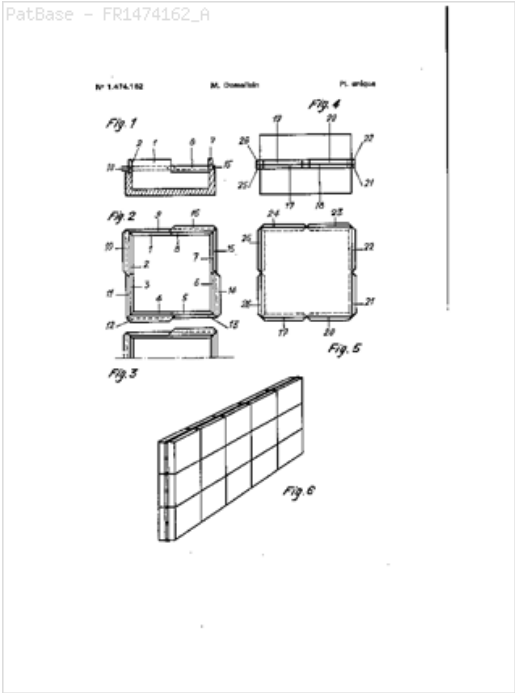


Title: SYSTEME D'ASSEMBLAGE PAR TENONS ET EMPREINTES PERMETTANT LA CONFECTION DE BRIQUES ET LA CONSTRUCTION DE PAROIS JOINING SYSTEM POSTS AND FOOTPRINTS FOR BRICK MAKING AND CONSTRUCTION OF WALLS (Machine translation)

Abstract: Source: FR1474162A [FR] (Claim 1) 1. On y distingue des tenons males 17-20-21-22-25-26, et des empreintes femelles 18 et 19, qui permettront l'assemblage entre briques. Sur la figure 5 on peut observer les huit tenons males 17-20-21-22-23-24-25-26. Les empreintes femelles n'y sont visibles que par les lignes interrompues. Il est bien entendu que la presente invention n'est pas limitee au mode de realisation decrit et represente qui constitue seulement un exemple auquel de nombreuses modifications peuvent etre apportees sans qu'on s'ecarte de la presente invention. RESUME Selon l'invention, une demi-coquille munie d'empreintes femelles et de tenons males, permet de s'emboiter avec une demi-coquille identique pour former une brique ou un element d'assemblage. Ces briques ou elements pourront s'assembler entre eux dans tous les sens d'assemblage possibles pour constituer cloison ou mur.

Machine translation: (Claim 1) 1. It differs from males like 17-20-21-22-25-26, and female footprints 18 and 19, which will assemble between bricks. In Figure 5 we can observe the eight studs male 17-20-21-22-23-24-25-26. Fingerprints females there are visible only by the broken lines. It is understood that the present invention is not limited to the embodiment described and shown which is only one example that many modifications may be made without departing from this invention. SUMMARY According to the invention, a half-shell provided with imprints like females and males, can be fit with an identical half-shell to form a brick or element assembly. These bricks or elements can be assembled together in every way possible to constitute the assembly or partition wall.

Classifications:
International (IPC 8-9): A63H33/08 E04B2/04 (Advanced/Invention); A63H33/04 E04B2/04 (Core/Invention)
International (IPC 1-7): E04C1/10
CPC: A63H33/084 E04B2/04
European: A63H33/08G E04B2/04



Family:

Publication number	Publication date	Application number	Application date
FR1474162 A	19670324	FR19660049047	19660208

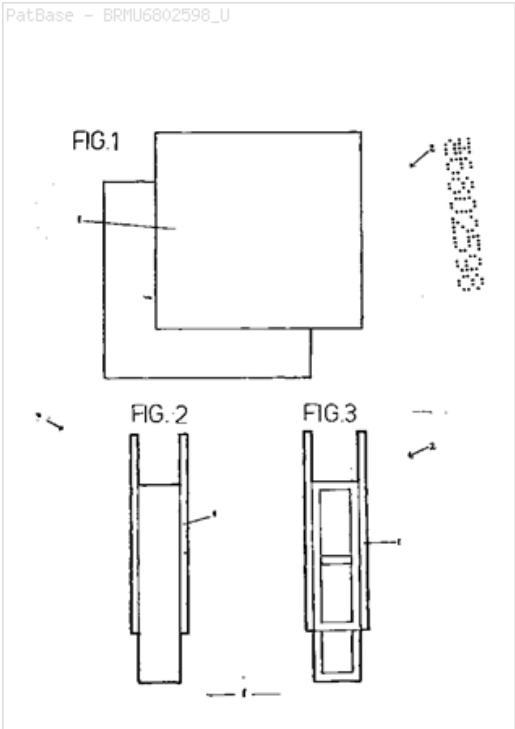
Priority:
FR19660049047 19660208
Inventor(s): (std):

DOMALLAIN JEAN

Title: DISPOSICAO INTRODUZIDA EM ELEMENTOS CONSTRUTIVOS CHARACTER INTRODUCED IN CONSTRUCTIVE ELEMENTS (Machine translation)

Abstract: Source: BRMU6802598U [PT] [Source: Claim 1] REIVINDICACOES 12) "DISPOSICAO INTRODUZIDA EM ELEMENTOS CONSTRUTIVOS",carac terizado por apresentar elementos individuais, tipo bloco - ou tijolo vazado, confeccionados era concreto, ceramica, po- limeros, epoxi, PVC, etc., possuindo placas (l) superpostas deslocadas em relacao a parte interna do bloco. 22) "DISPOSICAO INTRODUZIDA EM ELEMENTOS CONSTRUTIVOS",'con-" forme reivindicacao 1, caracterizado pela deslocacao das placas (l) permitir o encaixe entre os blocos, pelo sistema macho-femea. 32) "DISPOSICAO INTRODUZIDA EM ELEMENTOS CONSTRUTIVOS",'con-" forme reivindicacao 1, caracterizado pelos elementos pode-" rem ser do tipo padrao (2), com duas placas Cl) paralelas - posicionadas nas faces frontal e posterior do bloco; de can to"(3) com placas Cl) posicionadas em "L", em 90 degrees ou em - " qualquer outra abertura angular; de interligacao para tres- paredes (4) em forma de "T", com uma placa (1) reta e duas- «n "L"; de interligacao entre quatro paredes (5), com pia-" cas (1) em "L" cruzadas. **Machine translation:** [Source: Claim 1] CLAIMS 12) "CHARACTER INTRODUCED in CONSTRUCTIVE ELEMENTS ', ' char terizado by presenting individual elements in block-or hollow brick made was concrete, ceramic, po-limeros, epoxy, PVC, etc., with plates (l) overlap displaced in relation to the inside of the block. 22) "CHARACTER INTRODUCED in CONSTRUCTIVE ELEMENTS ', ' con-" fashion claim 1, characterized by the movement of the plates (l) allow the fitting between the blocks, by the male-female system. 32) "CHARACTER INTRODUCED in CONSTRUCTIVE ELEMENTS ', ' con-" fashion claim 1, characterised by the elements can be of type "rem pattern (2), with two parallel-Cl) positioned in the frontal and posterior faces of the block; of can to "(3) with Cl) positioned in" L ", at 90 degrees or-" any other opening angle; of interligacao to three-walls (4) in the shape of a "T", with a plate (1) straight and two-" L"; of interligacao between four walls (5), with pia "cas (1) to" L ".

Classifications:
International (IPC 8-9): E04C2/04 (Advanced/Invention);
E04C2/04 (Core/Invention)
International (IPC 1-7): E04C1/08



Family:

Publication number	Publication date	Application number	Application date
BRMU6802598 U	19900807	BR1988MU02598U	19881130

Priority:

BR1988MU02598U 19881130

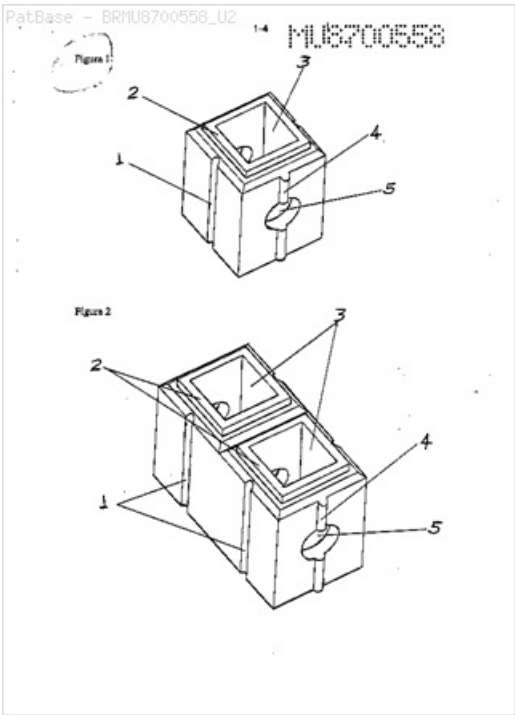
Probable Assignee:	LUIZ ALBERTO SCAVONE
Assignee(s): (std):	LUIZ ALBERTO SCAVONE
Inventor(s): (std):	SCAVONE LUIZ ALBERTO
Inventor(s):	LUIZ ALBERTO SCAVONE

Title: configuraCco aplicada em blocos usados na construCco civil configuraCco applied block-type used in construCco civil (Machine translation)

Abstract: Source: BRMU8700558U [PT] CONFIGURACCO APLICADA EM BLOCOS USADOS NA CONSTRUCCO CIVIL. Baseia-se nas (figura 1, 2, 3, 5, 6, 7 e 8). Trata-se de blocos para construcao de alvenarias; paredes, muros e outras edificacoes. As pecas, apos a definicao estruturais edificaveis, podem receber acabamento conforme especificacoes e tecnicas tradicionais ja conhecidas da construcao de casas e predios. As figuras aqui apresentadas trazem um modelo conhecido como "lego", na concepcao "macho-femea" para montagem de encaixe, porem os elementos vazados vem fundamentar a configuracao ainda nao usual, (figura 1, 2 e 3) - item 5 - elemento vazado horizontal para passagem de tubos e outras utilidades necessarias numa edificacao. Os blocos com sua forma geometrica (figuras 1, 2 e 3) podem ser fabricados de cimento ou outro material conforme as tecnicas de edificacoes. A (figura 7 - peca em corte) e (figura 8 - pecas montadas) mostram a concepcao do bloco (figura 1) para a fundamentacao desta solicitacao.

Machine translation: CONFIGURACCO APPLIED IN BLOCKS USED IN CIVIL CONSTRUCCO. It is based on (Figure 1, 2, 3, 5, 6, 7 and 8). These are building blocks of masonry, walls, walls and other buildings. The pieces, after defining structural construction of buildings, can be finished according to specifications and already known to the traditional construction of houses and buildings. The figures presented here bring a model known as "lego" in designing "male-female" fitting for mounting, however the information leaked is not yet support the usual configuration (Figure 1, 2 and 3) - Item 5 - element horizontal hollow for passage of pipes and other utilities needed in a building. Blocks with its geometric shape (Figures 1, 2 and 3) can be made of cement or other material as the techniques of buildings. (Figure 7 - misses cut) and (Figure 8 - assembled parts) show the design of the block (see Figure 1) for the reasoning for this request.

Classifications:
International (ipc 8-9): E04B2/18 E04C1/39 (Advanced/Invention);
E04B2/14 E04C1/00 (Core/Invention)



Family:

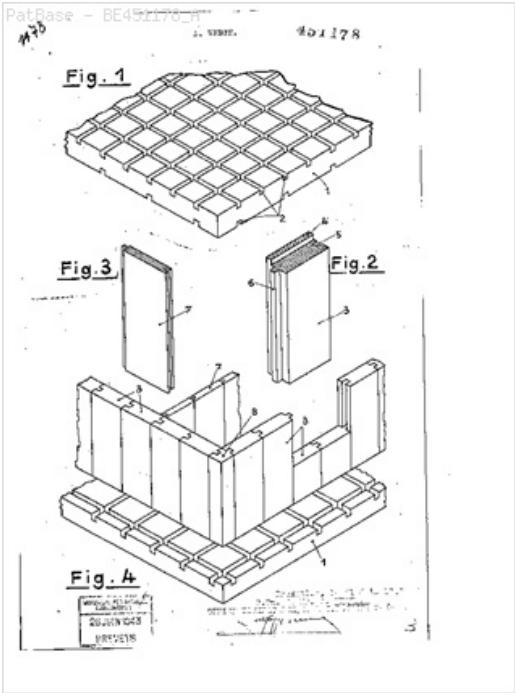
Publication number	Publication date	Application number	Application date
BRMU8700558 U2	20081118	BR2007MU00558U	20070309

Priority:

BR2007MU00558U 20070309

Probable Assignee:	AQUINO GONCALVES GEODETE
Assignee(s): (std):	AQUINO GONCALVES GEODETE
Assignee(s):	GEODETE AQUINO GONCALVES
Inventor(s): (std):	AQUINO GONCALVES GEODETE
Inventor(s):	GEODETE AQUINO GONCALVES

Classifications:
International (IPC 8-9): A63H33/08 E04H1/00 (Advanced/Invention);
A63H33/04 E04H1/00 (Core/Invention)
CPC: A63H33/084 E04H1/005
European: A63H33/08G E04H1/00B



Family:

Publication number	Publication date	Application number	Application date
BE451178 A	00000000		00000000

Title: Insulated masonry block and wall

Abstract: An insulated concrete block and wall assembly. The primary element is an insulated block which consists of two rectangular concrete facings and a rigid solid insulating core. The concrete facings are attached by adhesive to the insulating core. The insulating core has apertures within it to allow vertical reinforcing rod support in a constructed wall. The invention additionally provides an indentation along the top of each insulating core to provide for horizontal re-rod support within the wall itself. The invention provides optimal decrease in thermal conductivity coupled with simplicity of design and transport.

Classifications:

International (IPC 8-9): E04B2/16 E04B2/26

E04C 1/40 (Advanced/Invention);

E04B2/02 (Advanced/Non-invention);

E04B2/14 E04C 1/00 (Core/Invention);

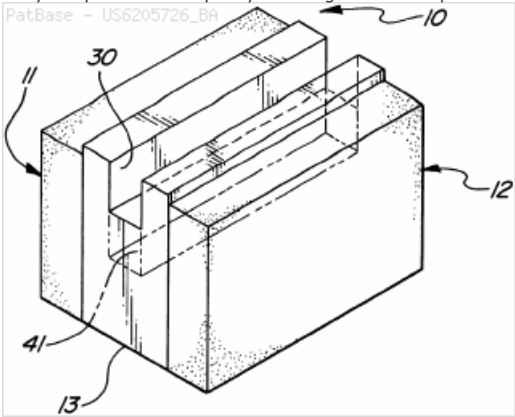
E04B2/02 (Core/Non-invention)

International (IPC 1-7): E04C 1/00

CPC: E04B2/16 E04B2/26 E04B2002/0206 E04C 1/40

European: E04B2/16 E04B2/26 E04C 1/40 P04B2/02M1A

US: 52/309.12 52/592.6 52/604 52/606 523/91.2



Family:

Publication number	Publication date	Application number	Application date
US6205726 BA	20010327	US19990306664	19990505

Priority:

US19990306664 19990505

Probable Assignee:

HOADLEY AND SCHMUCKAL LLC

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HOADLEY THEODORE A

Assignee(s):

HOADLEY AND SCHMUCKAL LLC

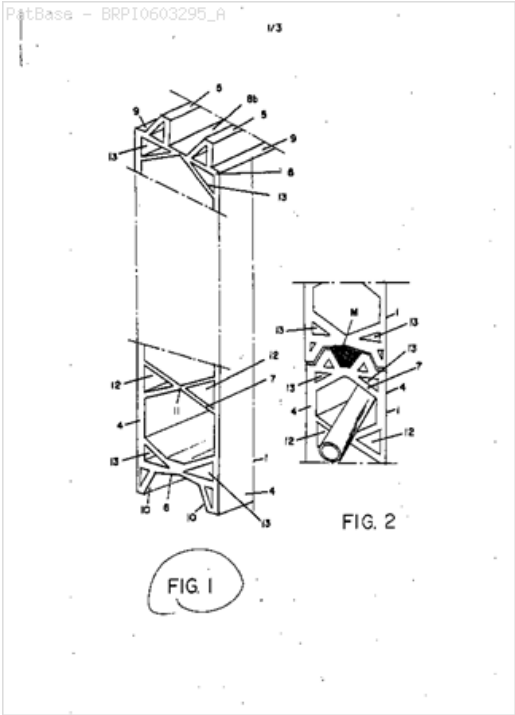
Inventor(s): (std):

HOADLEY THEODORE A

Title: CONJUNTO DE BLOCO CERAMICO E CANALETA CERAMICA SET CHANNEL BLOCK CERAMIC AND CERAMIC (Machine translation)

Abstract: Source: BRPI0603295A [PT] \ 1/1) RESUMO "CONJUNTO DE BLOCO CERAMICO E CANALETA CERAMICA", para uso no setor tecnico de construcao civil, dito bloco com caracteristicas construtivas absolutamente inovadoras, tendo sido idealizado a partir de um projeto racional e que possui como objetivo 5 primordial simplificar extremamente os processos de montagens das estruturas civis como paredes e similares, tomando as operacoes mais rapidas e garantindo maior precisao (qualidade) referente aos alinhamentos e faceamentos em suas aplicacoes, decorrendo, de forma direta, outras vantagens expressivas como reducao significativa de custos em funcao da diminuicao da mao de obra e economia de materiais, alem de imputar um gerenciamento da 10 obra mais eficaz. Em linhas gerais, o presente bloco ceramico se destaca por ser modulado, com estrutura hexagonal e simetrica. O bloco ceramico (1) incorpora numa extremidade guias duplas paralelas prismaticas vazadas (5) e, na extremidade oposta, canaleta (6), cooperantes; ao passo que a estrutura interna do dito bloco ceramico (1) e formada por uma pluralidade de elementos estruturais hexagonais (7) simetricos abertos, do tipo colmeia; ao passo que as 15 canaletas (2) e (3) seguem a mesma linha geometrica de encaixe, para efeito de assentamento. <3
Machine translation: \ 1/1) SUMMARY "CERAMICO BLOCK SET AND CHANNEL CERAMICA" for use in civil construction of technical sector, said block with absolutely innovative construction features, having been designed from a rational design and which has as goal 5 primary greatly simplify the civil structures assembly processes such as walls and the like, taking Fastest operations and ensuring greater accuracy (quality) related to alignments and facing in their applications, happening, directly, other significant advantages such as significant reduction costs due to the reduction of manpower and material savings, in addition to a management charge of 10 most effective work. Generally speaking, this ceramic block stands out for being modulated, with hexagonal and symmetrical structure. The ceramic block (1) incorporates a double end castings parallel prismatic guides (5) and, at the opposite end channel (6), cooperating; whereas the internal structure of said ceramic block (1) and formed by a plurality of hexagonal structural elements (7) open symmetric, the honeycomb; whereas the 15 channels (2) and (3) follow the same geometric line fitting, for fixing effect. and It; 3

Classifications:
International (IPC 8-9): E04C 1/00 (Advanced/Invention);
E04C 1/00 (Core/Invention)
International (IPC 1-7): E04C 1/00



Family:

Publication number	Publication date	Application number	Application date
BRPI0603295 A	20061219	BR2006PI03295	20060727

Priority:
BR2006PI03295 20060727

Probable Assignee: KRUGNER CIRO
Assignee(s): (std): KRUGNER CIRO
Assignee(s): CIRO KRUGNER
Inventor(s): (std): KRUGNER CIRO
Inventor(s): CIRO KRUGNER

Title: SISTEMA PARA CONSTRUCCION CON MUROS MACHIHEMBRADOS EN MADERA CON PERFILES DE DOBLE PESTANA ENCAJADOS CON PILARES Y ASEGURADOS CON PLATINAS

Abstract: Source: PA8475201A [ES] EL OBJETO DE LA PRESENTE INVENCION ES SUMINISTRAR UN SISTEMA PARA CONSTRUCCION CON MUROS MACHIHEMBRADOS EN MADERA CON PERFILES DE DOBLE PESTANA ENCAJADOS CON PILARES Y ASEGURADOS CON PLATINAS QUE PERMITA DESARROLLAR UN SISTEMA ESTRUCTURAL Y CONSTRUCTIVO. ESTE MODELO FUE CONCEBIDO CON ELEMENTOS LIVIANOS MACHIHEMBRADOS PARA FORMAR LOS MUROS UNIDOS A UN PERFIL DE DOBLE PESTANA O CANAL PARA GARANTIZAR MAYOR ADHERENCIA ENTRE LOS ELEMENTOS Y ELIMINAR DE MANERA EFICAZ EL INGRESO DE AGUA, POLVO Y LUZ DE UN LADO AL OTRO DE LAS PAREDES DEL SISTEMA. LA RESISTENCIA ESTRUCTURAL AUMENTA AL TRABAJAR TODOS LOS ELEMENTOS DE MADERA A COMPRESION PARA FORMAR UN CONJUNTO O ESTRUCTURA TRIDIMENSIONAL.

Classifications:
International (IPC 8-9): E04B1/26 E04B1/38 E04B2/06 H04B3/56 H04M1/19 (Advanced/Invention); E04B1/26 E04B1/38 E04B2/04 H04B3/54 H04M1/19 (Core/Invention)
International (IPC 1-7): E04B1/26 E04B1/38 E04B2/06 H04B3/56 H04M1/19

Family:

Publication number	Publication date	Application number	Application date
CO4830486 A1	19990830	CO19990015716	19990315
PA8475201 A1	20000524	PA19010084752	19990608

Priority:
CO19990015716 19990315 CO19990990157 19990315

Probable Assignee: INMUNIZADORAS UNIDAS S A
Assignee(s): (std): INMUNIZADORAS UNIDAS S A ; RODRIGUEZ ANGEL RUBEN
Assignee(s): RUBEN RODRIGUEZ ANGEL
Inventor(s): (std): DEPARTAMENTO DE DISENOS DE INMUNIZADORAS UNIDAS ; SALATIEL LOPEZ CASTELLANOS ; RODRIGUEZ ANGEL RUBEN
Inventor(s): DEPARTAMENTO DE DISENOS DE INMUNIZADORAS UNIDAS S ; RUBEN RODRIGUEZ ANGEL ; CASTELLANOS SALATIEL LOPEZ
Agent(s): JORGE E VERA VARGAS

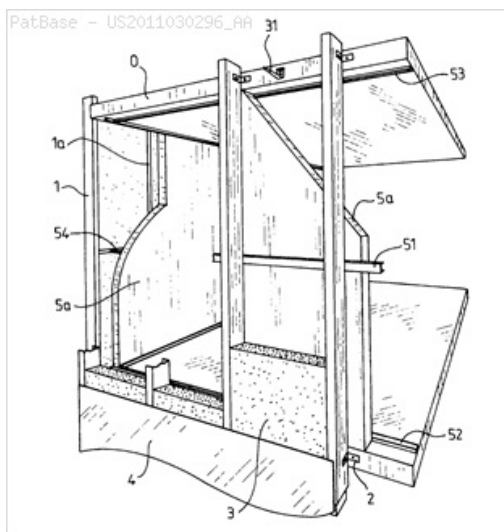
Title: SEMI-CURTAIN FACADE

Abstract: A building facade including an exterior envelope including facade elements, a rain barrier, profiled holding and supporting elements fixed vertically to floor edges, a thermal insulation system including a first insulating element in front of floor edges and a second insulating element on the inside, between floors, a vapor barrier, and an interior lining. The first insulating element is basically continuous across the surface of the facade, or is essentially free of air pockets, two adjacent breadths of the first insulating element being separated by a flat surface of the profiled elements projecting forwards of the floor edges.

Classifications:**International (IPC 8-9):** E04B1/80 E04B2/04 E04B2/88 E04B2/90

E04B2/96 E04H14/00 (Advanced/Invention);

E04B2/90 (Core/Invention)

International (IPC 1-7): E04B2/90**CPC:** E04B2/88**European:** E04B2/88**US:** 52/235 52/235P 52/236.3 52/764 52/764S**Family:**

Publication number	Publication date	Application number	Application date
BRPI0821366 A2	20150616	BR2008PI21366	20081218
CA2709833 AA	20090702	CA20082709833	20081218
CA2709833 C	20160426	CA20082709833	20081218
CN101946049 A	20110112	CN200880127058	20081218
CO6280558 A2	20110520	CO20100085741	20100714
DE602008030697 D1	20140417	DE200860030697T	20081218
DK2231943 T3	20140616	DK20080865786T	20081218
EP2231943 A2	20100929	EP20080865786	20081218
EP2231943 B1	20140305	EP20080865786	20081218
ES2466677 T3	20140610	ES20080865786T	20081218
FR2925543 A1	20090626	FR20070060031	20071219
FR2925543 B1	20100129	FR20070060031	20071219
IN02416KN2010 A	20101022	IN2010KN02416	20100702
JP2011506804 T2	20110303	JP20100538870T	20081218
JP5619618 B2	20141105	JP20100538870T	20081218
RU2010129422 A	20120127	RU20100129422	20081218
RU2507350 C2	20140220	RU20100129422	20081218
UA102538 C2	20130725	UA20100008923	20081218
US2011030296 AA	20110210	US20080808825	20081218
US8250820 BB	20120828	US20080808825	20081218
WO09081049 A2	20090702	WO2008FR52358	20081218
WO09081049 A3	20091223	WO2008FR52358	20081218

Priority:

FR20070060031 20071219 EP20080865786 20081218 WO2008FR52358 20081218

Probable Assignee: SAINT GOBAIN ISOVER**Assignee(s):** (std): HUGONENC HAROLD ; JORET LAURENT ; SAINT GOBAIN ISOVER ; SAINT GOBAIN ISOVER SA ; WATCHI MARIE ISABELLE ; SAINT GOBIN ISOVER ; SEHN GOBEHN IZOVER**Assignee(s):** SAINT GOBAIN ISOVER SOCIETE ANONYME**Inventor(s):** (std): HAROLD HUGONENC ; HUGONENC HAROLD ; JORET LAURENT ; JUGONENK GAROL D ; LAURENT JORET ; MARIE ISABELLE WATCHI ; VATSHI MARI IZABELL ; WATCHI MARIE ISABELLE ; ZHOREN LORAN**Agent(s):** GOUDREAU GAGE DUBUC ; MARGARITA CASTELLANOS ABONDANO ; BOCKHORN AND KOLLEGEN PATENT U RECHTSANWAELTE ; CARDIN ELISE ; DE ELZABURU ALBERTO ; SAINT GOBAIN RECHERCHE ; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT LLP**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

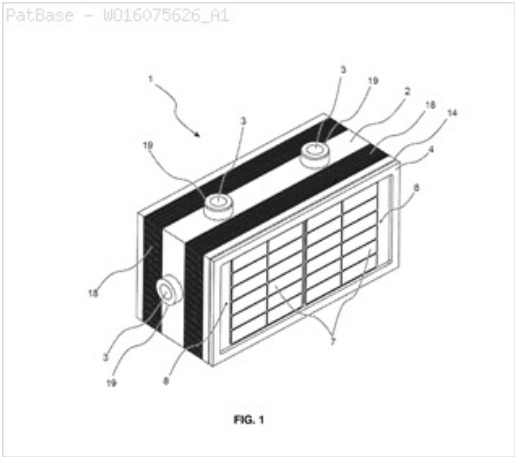
Title: BRICK-TYPE STRUCTURAL ELEMENT FOR SECURING ELECTRICAL, OPTICAL, ELECTRONIC AND ELECTROMECHANICAL ELEMENTS

Abstract: The present invention consists of a brick-type structural element for construction, the front side of which structural element comprises electrical, optical, electronic and electromechanical elements, or a combination thereof. The front side of the brick-type structural element for construction faces the exterior or facade of the construction in which the structural element is installed. In one embodiment, the invention can be used to install photovoltaic cells in construction facades for harvesting solar energy.

Classifications:

International (IPC 8-9): A63H33/04 E04B2/00 E04B2/04 E04C1/39 H01L31/048 H02S20/26 (Advanced/Invention)

CPC: E04C1/39 H01L31/048 H02S20/26 Y02B10/10 Y02E10/50



Family:

Publication number	Publication date	Application number	Application date
CO14248214 A1	20160510	CO20140248214	20141110
CO7600145 A1	20160510	CO20140248214	20141110
WO16075626 A1	20160519	WO20151B58687	20151110

Priority:

CO20140248214 20141110

Probable Assignee: DYNACAD SAS

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Inventor(s): ALEJANDRO VELASQUEZ LOPEZ ; VANESA ORTIZ RIOS ; ANDREA LOPEZ GOMEZ ; JHONATAN AGUILAR ZAPATA ; JOSE IGNACIO MARULANDA BERNAL ; JUAN DAVID GONZALEZ MARTINEZ ; JUAN SEBASTIAN AMAYA QUIROZ ; LAURA MUNERA SANCHEZ

Agent(s): CARLOS REINALDO OLARTE GARCIA; CARLOS R OLARTE GARCIA; OLARTE CARLOS 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 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