

Search history

- Search 1: FT=(MASONRY~ AND BUILDING~ AND OPENWORK~ WALL~) (Results 0)
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- Search 4: FT=(MASONRY~ AND BUILDING~ AND OPENWORK~ AND PREFABRICATED~) (Results 21)
- Search 5: FT=(MASONRY~ AND BUILDING~ AND LEGO~) (Results 64)

Title: CASA DOMOS EM ISOPOR COM MODULOS MONOLITICOS Domes HOUSE IN WITH STYROFOAM MODULOS monolithic (Machine translation)

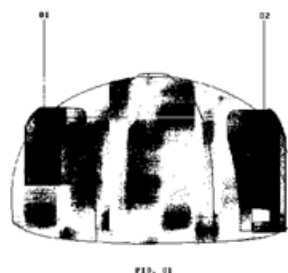
Abstract: Source: BRPI1004476A [PT] 1 RESUMO "CASA DOMOS EM I SOPOR COM MODULOS MONOLITICOS". Patente de invencao para uma casa construida com isopor atraves de modulos monoliticos. A casa aqui apresentada conta com os modulos de fechamento Fig. 02, fechamento lateral Fig. 04, porta Fig. 05, janela Fig. 06, tampo de cobertura 08 e anel de ligacao Fig. 03, que sao confeccionados em poliestireno expandido, concreto leve com EPS ou Argila Expandida, com espessura de 30cm, largura de 2,60m e 3,50m de altura, podendo variar em conformidade com o tamanho da Casa desejada. Os modulos monoliticos pre-fabricados sao montados em cima da base e encaixados entre si, atraves da fenda de encaixe 03; Os modulos: porta e janela Figs. 05 e 07 tem as suas pecas 04, 05, 06 e 07, que sao pre-fabricadas e montadas ao modulo principal, quando da construcao, evitando possiveis danos na hora do transporte; Apos a montagem de todos os modulos, na parte superior e colocado um anel de ligacao Fig. 03 e por fim, um tampo de cobertura 08. No acabamento externo ou interno, podera ser usada argamassa ou qualquer outro material aderente e de durabilidade para cobrir toda estrutura dos modulos de poliestireno expandido, aumentando a seguranca da Casa. **Machine translation:** 1 SUMMARY "HOUSE IN Domes I SOPOR WITH MODULOS monolithic". Patent for a home built with Styrofoam through the monolithic modules. The house presented here has the closing modules Fig. 02, side lock Fig. 04, door Fig. 05, Fig window. 06, cover top 08 and connecting ring Fig. 03, which are made of expanded polystyrene, concrete Light Expanded Clay or with EPS, with a thickness of 30cm, width of 2,60m and 3,50m high and may vary in accordance with the size of the desired house. The prefabricated monolithic modules are mounted on the base and engaged with each other through the engaging slot 03; The modules: door and window Figs. 5:07 has its parts 04, 05, 06 and 07, are pre-fabricated and mounted to the main module, upon construction, preventing possible damage at the time of transport; After assembly of all modules, placed at the top and a connecting ring Fig. 03 and finally a covering lid 08. On the external or internal finishing mortar may be used or any other adhesive material and durability to cover the whole structure of expanded polystyrene modules, increasing the security of the House.

Classifications:

International (IPC 8-9): E04B1/12 E04B7/22
E04H1/02 (Advanced/Invention)

CPC: E04B1/12 E04B7/22 E04H1/02

PatBase - BRPI1004476_A2



Family:

Publication number	Publication date	Application number	Application date
BRPI1004476 A2	20150317	BR2010PI04476	20100607

Priority:

BR2010PI04476 20100607

Probable Assignee: LIMA MARCELO AUGUSTO DE SOUZA

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Inventor(s): (std): LIMA MARCELO AUGUSTO DE SOUZA

Inventor(s): MARCELO AUGUSTO DE SOUZA LIMA

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRPI1004476 A2	20150317	LSPB	B03A	PUBLICATION OF AN APPLICATION: PUBLICATION OF A PATENT APPLICATION OR OF A CERTIFICATE OF ADDITION OF INVENTION	
BRPI1004476 A2	20150609	LSRV	-B11A	DISMISSAL ACC. ART.33 OF IPL - EXAMINATION NOT REQUESTED WITHIN 36 MONTHS OF FILING	
BRPI1004476 A2	20150908	LSRV	-B11Y	DEFINITIVE DISMISSAL ACC. ARTICLE 33 OF	

Title: STRENGTH CHARACTERISTICS COMPARISON OF FLYASH AND ACACIA ASH INTERLOCKING BRICKS

Abstract: The safety of the structure and its construction cost plays an important role in the construction of a **building**. The conventional brick **masonry** possesses very less tensile strength and cannot be used in high seismic zones. This paper discusses about a technique implemented in **masonry**, the interlocking bricks, which stands apart from the conventional clay brick in terms of its strength and the mechanism with which it is casted into walls. This brick is expected to be cheaper than the conventional bricks, also possessing high strength, which helps in increasing the overall stability of the **building**. Acacia ash derived from the acacia plants, are studied and a partial replacement of cement is made from the standard mix ratio of the fly ash bricks. Three mix ratios are made, replacing the cement with 2 percent; 10 percent and 15 percent of Acacia Ash and interlocking bricks are casted and subjected to various tests. The view of this paper is to prove an alternative against the conventional bricks, which is effective in both the cost and strength aspects.

Classifications:

International (IPC 8-9): G01S1/78 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
IN201741025032 A	20190118	IN201741025032	20170714

Priority:

IN201741025032 20170714

Probable Assignee: DR DASARATHY A K

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Inventor(s): DASARATHY A K ; KIRANKUMAR R ; MANIKANDAN T ; SATHISHBABU D ; SRITHAR R

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
IN201741025032 A	20190118	LSPB	+	published / reissued	

Title: SINGLE FOUNDATION FONDATION INDIVI

Abstract: Source: EP2977529A1 [DE] Die vorliegende Erfindung betrifft ein Punktfundament (16) zur Gruendung von Bauwerken, insbesondere Wohn- und/oder Funktionsbauten sowie zur Gruendung und Lagerung, bevorzugt zur temporaeren Gruendung oder Lagerung von einzelnen Stuetzen, Traegern oder Saeulen, wie Verkehrsschildern, Antennen- bzw. Funkmasten oder Fahnenmasten. Die Erfindung ist dadurch gekennzeichnet, dass das Punktfundament (16) aus einer Mehrzahl von vorgefertigten und bevorzugt haendisch handhabbaren Teilelementen (30) zusammengesetzt ist und im eingebauten Zustand zumindest teilweise mit Bodenmaterial, bzw. Erdreich ueberdeckt ist.

Classifications:

International (IPC 8-9): E02D27/14 E02D27/42 E04B1/10 E04B1/34 E04B1/343 E04B1/348 E04H1/00 E04H1/02 E04H1/04 E04H12/22 (Advanced/Invention)
CPC: E04H1/005 E04B1/34 E04B1/34861 E04B2001/0053 E04B1/3408 E04B1/34807 E04H1/02 E02D27/14 E04B1/10 E04H1/04 E04H12/22 E01F9/685

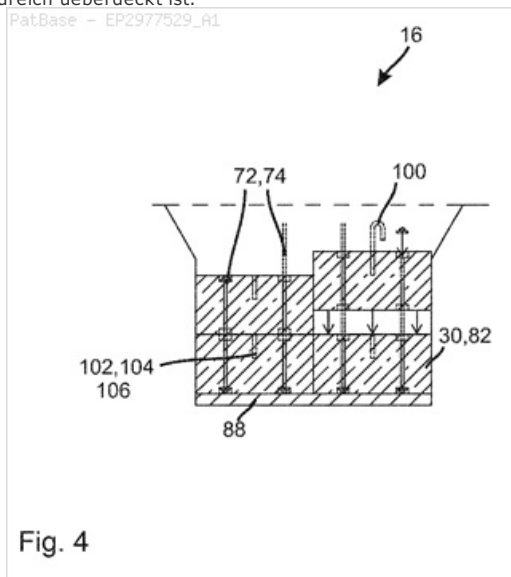


Fig. 4

Family:

Publication number	Publication date	Application number	Application date
DE202015101636 U1	20150730	DE201520101636U	20150331
DE502014001439 D1	20161027	DE201450001439T	20140721
EP2826925 A2	20150121	EP20140177766	20140721
EP2826925 A3	20150617	EP20140177766	20140721
EP2826925 B1	20160914	EP20140177766	20140721
EP2977529 A1	20160127	EP20150177719	20150721

Priority:

DE201310107749 20130719 DE201420101513U 20140331 EP20140177766 20140721
 DE201520101636U 20150331 EP20150177719 20150721

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 INTEGERIX PLANUNGSBUERO GMBH

Inventor(s): (std): FAERBER CHRISTOPH ; KALLENBACH URSULA

Agent(s): SPACHMANN HOLGER

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE202015101636 U1	20150730	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202015101636 U1	20150730	LSGT	R207	UTILITY MODEL SPECIFICATION	
DE202015101636 U1	20150805	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : INTEGERIX PLANUNGSBUERO GMBH, DE OLDPARTY : FORMER OWNER : INTEGERIX PLANUNGSBUERO FUER MICROINVASIVE ARCHITEKTUR UG (HAFTUNGSBESCHRAENKT), 70597 STUTTGART, DE
DE202015101636 U1	20181002	LSLE	-R156	LAPSE OF IP RIGHT AFTER 3 YEARS	
DE202015101636 U1	20250331	PEXP		Calculated Patent Term Expiry	
EP2826925 A2	20150121	LSPB	+	published / reissued	

EP2826925 A2	20150121	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140721
EP2826925 A3	20151223	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : INTEGERIX PLANUNGSBUERO GMBH
EP2826925 A3	20160127	LSSES	+R17P	REQUEST FOR EXAMINATION FILED (CORRECTED)	EFFECTIVE DATE : 20151217
EP2826925 A3	20160413	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20160314
EP2826925 B1	20160914	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2826925 B1	20160914	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2826925 B1	20160915	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2826925 B1	20161005	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2826925 B1	20161015	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 829173 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20161015
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EP2826925 B1	20170110	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
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EP2826925 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170727 YEAR OF FEE PAYMENT : 4
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EP2826925 B1	20180427	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20180330
EP2826925 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170721
EP2826925 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170731
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EP2826925 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180730 YEAR OF FEE PAYMENT : 5
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EP2826925 B1	20190327	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20180721
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EP2826925 B1	20200228	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2826925 B1	20200331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160914
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EP2826925 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20190731
EP2826925 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20190731
EP2826925 B1	20340721	PEXP		Calculated Patent Term Expiry	
EP2977529 A1	20160127	LSPB	+	published / reissued	

EP2977529 A1	20160907	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20160727
EP2977529 A1	20190821	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20190718
EP2977529 A1	20200304	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20191001

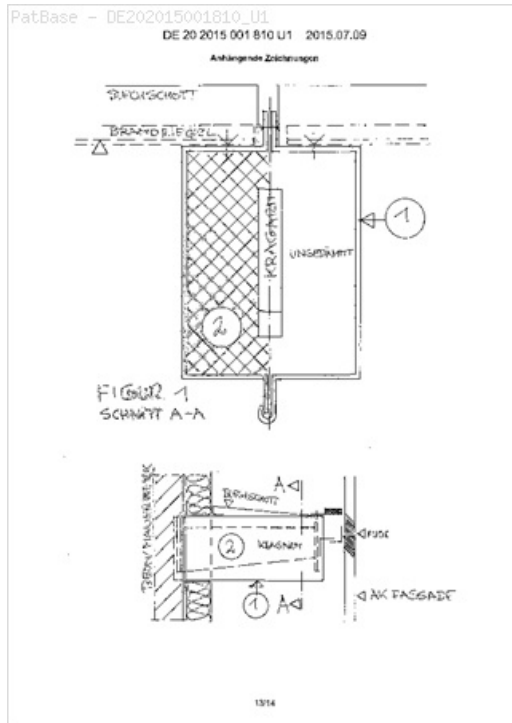
Title: BRANDSCHUTZ-MANSCHETTE FIRE PROTECTION-SLEEVE (Machine translation)

Abstract: Source: DE202015001810U1 [DE] Brandschutz-Manschette insbesondere fuer den Einbau in hinterlueftete Vorhangfassaden (VHF), aus einem duennwandigen und mehrteiligen Metallgehaeuse gefertigt, dadurch gekennzeichnet, dass das Gehaeuse mit der Grundform eines Hohlkoerpers, als Standardgehaeuse in C-Form rund, quadratisch, rechteckig gekantet, gedruickt oder tiefgezogen ist. **Machine translation:** Fire-sleeve particularly for installation in hinterlueftete curtain walls (VHF), made from a thin-walled and multi-part METAL, characterized in that the housing with the basic shape of a Hohlkoerpers when Standardgehaeuse in C-shape folded round, square, rectangular, is pressed or deep drawn.

Classifications:

International (IPC 8-9): E04B1/38 E04F13/075 (Advanced/Invention)

CPC: E04B1/94 E04F13/0805 E04F2290/045



Family:

Publication number	Publication date	Application number	Application date
DE202015001810 U1	20150709	DE201520001810U	20150304

Priority:

DE201520001810U 20150304

Probable Assignee:

NOERES MICHAEL

Assignee(s): (std):

NOERES MICHAEL

Assignee(s):

NOERES

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE202015001810 U1	20150709	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202015001810 U1	20150709	LSGT	R207	UTILITY MODEL SPECIFICATION	
DE202015001810 U1	20181002	LSLE	-R156	LAPSE OF IP RIGHT AFTER 3 YEARS	
DE202015001810 U1	20250304	PEXP		Calculated Patent Term Expiry	

Title: PLASTIC LIQUID CONTAINER WHICH CAN BE RECYCLED THROUGH A SECOND USE IN CONSTRUCTION

Abstract: Plastic liquid container that can be recycled in the construction field after having completed its original use as a liquid container. The configuration of the container significantly allows to increase the recycling rate of plastic containers waste and results in lower construction costs. It allows the use of a stable, standard and inexpensive module. Said container has a hollow rectangular prism shape with dimensions of a body with an open end terminating in the neck and thread to receive a plastic cap (1) wherein its shape leaves two voids (2) of tubular form that cross it from side to side. It has a cavity (5) on its base; a set of four protrusions (3) on two of its opposite sides and around the inlet and outlet of the tubular spaces; longitudinal grooves (4) on its other two opposite sides; and a transverse central groove equidistant from both tubular voids (7).

Classifications:

International (IPC 8-9): B65D81/36 (Advanced/Invention)

CPC: B65D81/361 B65D1/0223 B65D21/0231 Y02W30/807 E04B2/06 E04B2002/0223

PatBase - WO15056183_A1

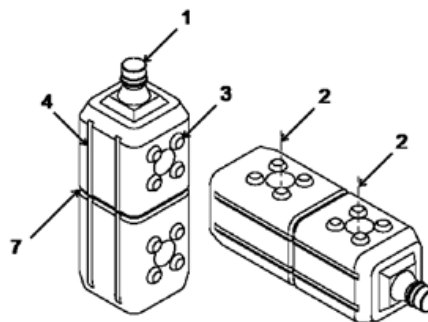


FIG. 2

Family:

Publication number	Publication date	Application number	Application date
CL2013003007 A1	20140131	CL20130003007	20131016
WO15056183 A1	20150423	WO20141B65316	20141014

Priority:

CL20130003007 20131016

Probable Assignee: MARCOS ALEJANDRO ORTIZ FIGUEROA

Assignee(s): (std): MARCOS ALEJANDRO ORTIZ FIGUEROA ; ORTIZ FIGUEROA MARCOS ALEJANDRO

Inventor(s): (std): MARCOS ALEJANDRO ORTIZ FIGUEROA ; ORTIZ FIGUEROA MARCOS ALEJANDRO

Agent(s): ANDRES ECHEVERRIA BUNSTER; JOHANSSON AND LANGLOIS

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CL2013003007 A1	20140131	LSPB	+	published / reissued	
WO15056183 A1	20150423	LSPB	+	published / reissued	
WO15056183 A1	20160418	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	REF COUNTRY CODE : DE
WO15056183 A1	20161123	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 14802495 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: STRUCTURAL WALL WITH A STRUCTURE EXOGENOUS TO THE LONGITUDINAL AXIS THEREOF FOR ENABLING THE INSIDE OF THE WALL TO BE FILLED ON SITE

Abstract: Structural wall with frame in wood, metal, plastic, polycarbonate or other resistant material that has no diagonals or chains strengtheners on its longitudinal axis or, in their absence, its structure is reticulated or articulated. This wall Gets the necessary rigidity through a structuring external to its longitudinal axis by different diagonal elements attached to studs or pillars and slabs, in way to allow a spill or padding to your interior with materials that you they give this wall performance of habitability, such as thermal insulation, acoustic insulation, thermal inertia and resistance the fire, using very cheap fillers as the soil of the place or simple mixtures as the with chaff mud, mud with expanded polystyrene, light concrete, soil with chip wood, soil and volcanic ash, or even the use of industrial waste as chopped tires or other items, some difficult to recycle; In short, you can use a wide range of fillers, depending on the specific need. This way of structuring allows, through the possibility of access at work inside a padded, improving ostensibly simple, fast and economic benefits of habitability of the walls, being easily prefabricate and industrialize, and with a great variety of applications in homes and various types of buildings.

Classifications:

International (IPC 8-9): E04B E04B2/00 E04B2/28 E04B2/38

E04B2/40 E04B2/56 E04B2/70 E04B2/84

E04G11/06 (Advanced/Invention);

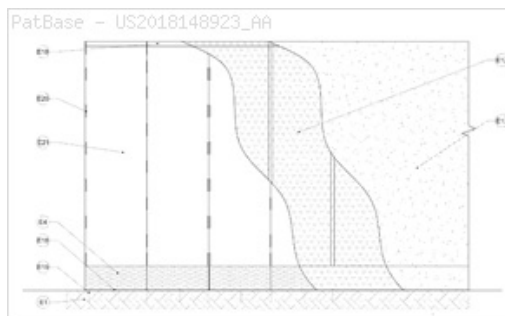
E04B2/00 (Core/Invention);

E04B (Subclass/Invention)

CPC: E04G11/06 E04B2/00 E04B2/38 E04B2/40 E04B2/70 E04B2/84

E04B2/56 E04G11/08

US: 1/1 52/309.14



BR112017026444 A2	20190820	LSRV	-B11A	DISMISSAL ACC. ART.33 OF IPL - EXAMINATION NOT REQUESTED WITHIN 36 MONTHS OF FILING	
BR112017026444 A2	20191105	LSRV	-B11Y	DEFINITIVE DISMISSAL ACC. ARTICLE 33 OF IPL - EXTENSION OF TIME LIMIT FOR REQUEST OF EXAMINATION EXPIRED	
CA2988452 AA	20171206	LSPB	+	published / reissued	
CN108026722 A	20180511	LSPB	+	published / reissued	
CN108026722 A	20180511	LSPB	PB01	PUBLICATION	
CN108026722 A	20200124	LSDW	-WD01	INVENTION PATENT APPLICATION DEEMED WITHDRAWN AFTER PUBLICATION	
CO20180000149 A2	20180320	LSPB	+	published / reissued	
CR20180016 A	20180320	LSPB	+	published / reissued	
EA201890023 A1	20180629	LSPB	+	published / reissued	
EP3333332 A1	20180613	LSPB	+	published / reissued	
EP3333332 A1	20180613	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20180109
EP3333332 A4	20190501	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20190328
EP3333332 A4	20200422	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20191029
ID201807048 A	20180720	LSPB	+	published / reissued	
IN201717044292 A	20180112	LSPB	+	published / reissued	
JP2018523770 T2	20180823	LSPB	+	published / reissued	
JP2018523770 T2	20180621	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20180621
JP2018523770 T2	20181016	LSRE	A524	WRITTEN SUBMISSION OF COPY OF AMENDMENT UNDER SECTION 19 (PCT)	TEXT : JAPANESE INTERMEDIATE CODE: A524 EFFECTIVE DATE : 20181016
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JP2018523770 T2	20190730	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20190730
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KR20180097175 A	20180830	LSPB	+	published / reissued	
KR20180097175 A	20180713	LSES	A201	REQUEST FOR EXAMINATION	
KR20180097175 A	20181214	LSES	A302	REQUEST FOR ACCELERATED EXAMINATION	
KR20180097175 A	20200331	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
MX2017015870 A1	20180912	LSPB	+	published / reissued	

PE01672018 A1	20180122	LSPB	+	published / reissued	
PE20180167 A1	20180122	LSPB	+	published / reissued	
PH2017502251 A	20180528	LSPB	+	published / reissued	
SG11201710248X A1	20180130	LSPB	+	published / reissued	
SV2017005583 A	20190423	LSPB	+	published / reissued	
TH182891 A	20190124	LSPB	+	published / reissued	
US2018148923 AA	20180531	LSPB	+	published / reissued	
US2018148923 AA	20181228	LSES	NFA1	Non Final Action Mailed	
US2018148923 AA	20190626	LSES	NFA1	Non Final Action Mailed	
US2018148923 AA	20200105	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
WO16205968 A1	20161229	LSPB	+	published / reissued	
WO16205968 A1	20171129	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 15578087 COUNTRY OF REF DOCUMENT : US
WO16205968 A1	20171206	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2988452 COUNTRY OF REF DOCUMENT : CA
WO16205968 A1	20171206	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2017/015870 COUNTRY OF REF DOCUMENT : MX
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WO16205968 A1	20171211	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 12017502251 COUNTRY OF REF DOCUMENT : PH
WO16205968 A1	20171211	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2017-000157 I COUNTRY OF REF DOCUMENT : NI
WO16205968 A1	20171211	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 002696-2017 COUNTRY OF REF DOCUMENT : PE
WO16205968 A1	20171212	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	REF COUNTRY CODE : DE
WO16205968 A1	20171213	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 11201710248X COUNTRY OF REF DOCUMENT : SG
WO16205968 A1	20180108	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 20187000565 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
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WO16205968 A1	20180109	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : CR2018-000016 COUNTRY OF REF

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WO16205968 A1	20180110	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : A201800278 COUNTRY OF REF DOCUMENT : UA
WO16205968 A1	20180222	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2016281860 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20160804 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO16205968 A1	20180814	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 112017026444 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20171207

Title: **BUILDING** BLOCK WITH FOUR VERTICAL PLANES OF SYMMETRY

Abstract: The **building** block with four vertical planes of symmetry formed by one more basic modules - M(aMssaMssbM) has, in the basic module - M(aMssaMssbM), at least one pair of opposite walls (X, X') the shape of which is symmetrical according to each plane in which a diagonal of the wall and the centre of the **building** block (Y) lie, the shape of the pair of opposite walls of the **building** block is identical and designed so as to form joggles (1, 1'). The joggles (1, 1') has circular and/or 4+n-polygonal shape. The **building** block is formed by one or more modules put next to each other, above each other and/or they are mutually firmly linked by a space construction (2).

Classifications:

International (IPC 8-9): E04B2/08 (Advanced/Invention);

E04B2/02 (Advanced/Non-invention);

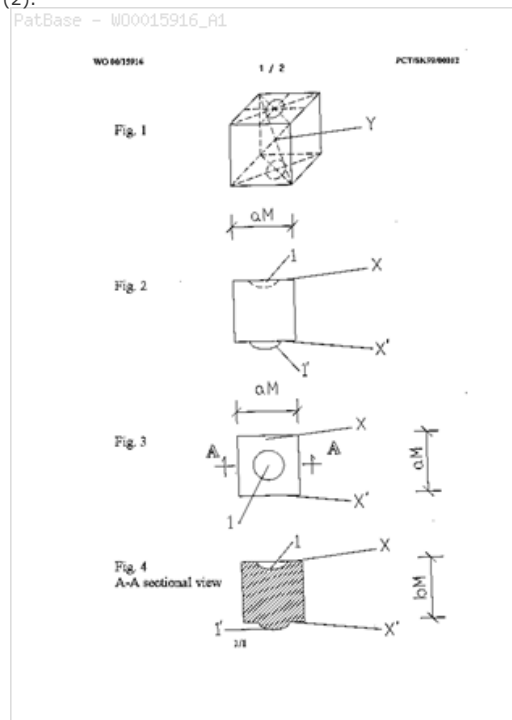
E04B2/04 (Core/Invention);

E04B2/02 (Core/Non-invention)

International (IPC 1-7): E04B2/08

CPC: E04B2/08 E04B2002/0215

European: E04B2/08 P04B2/02M1E



Family:

Publication number	Publication date	Application number	Application date
AU199950779 A1	20000403	AU19990050779	19990806
WO0015916 A1	20000323	WO1999SK00012	19990806

Priority:

SK19980001271 19980917 WO1999SK00012 19990806

Probable Assignee: NIKO IGOR

Assignee(s): (std): IGOR NIKO ; NIKO IGOR

Inventor(s): (std): NIKO IGOR

Inventor(s): IGOR NIKO

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK 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 LK LR LS LT LU LV 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 UA UG US UZ VN YU ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU199950779 A1	20000403	LSPB	+	published / reissued	
AU199950779 A1	20010614	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2) (F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
WO0015916 A1	20000323	LSPB	+	published / reissued	
WO0015916 A1	20010719	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO0015916 A1	20020508	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO

Title: BIOMEDICAL IMPLANT PRODUCTION EQUIPMENT - USES COMPUTER TOMOGRAPHIC IMAGE TO GENERATE IMPLANT PROFILE FOR COMPONENT MFR.

Abstract: A computer controlled reconstruction process for biomedical objects, e.g. computer tomography, is used to determine and produce implants. The implant is determined on the basis of a number of linked elements (1). The complete process is based upon five different steps. The primary data are provided by a computer tomographic image and a computer is used to post process the data into a form usable by a machine tool. Typically, a laser cutter or milling machine is used for mfr. USE/ADVANTAGE - Extensively fragmented fractures. Tumour resection. Allows 3-d implantation by robot.

Classifications:

International (IPC 8-9): A61F2/28 A61F2/30 B23Q3/10 G09B23/28 (Advanced/Invention);

A61F2/00 (Advanced/Non-invention);

A61F2/28 A61F2/30 B23Q3/02 G09B23/00 (Core/Invention);

A61F2/00 (Core/Non-invention)

International (IPC 1-7): A61F2/00 A61F2/28 B23C3/00 B23K26/00 G09B23/28

CPC: A61F2/28 A61F2/30942 A61F2002/30154 A61F2002/30261

A61F2002/30331 A61F2002/30599 A61F2002/30604 A61F2002/30808

A61F2002/30892 A61F2002/30948 A61F2002/30952 A61F2002/30957

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A61F2250/0063 A61F2310/00293 B23Q3/103 G09B23/286

European: A61F2/28 A61F2/30M2 B23Q3/10D G09B23/28R

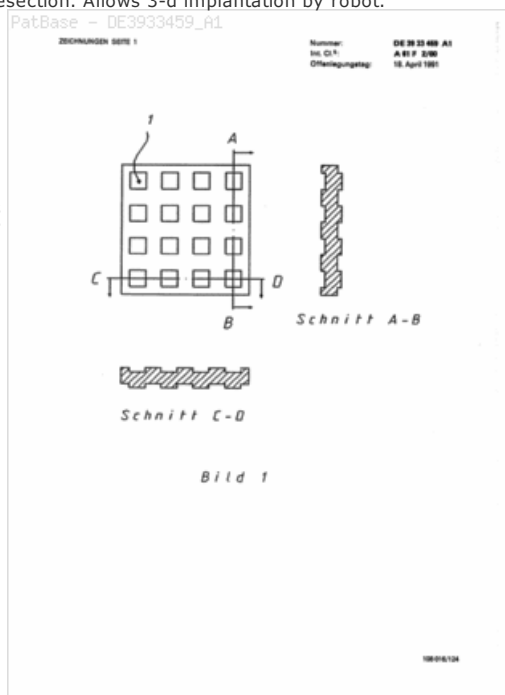
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K61F230/00Y6 K61F250/00W2N K61F310/00A6E



Family:

Publication number	Publication date	Application number	Application date
DE3933459 A1	19910418	DE19893933459	19891006

Priority:

DE19893933459 19891006

Probable Assignee: REUMANN KARSTEN DIPL ING

Assignee(s): (std): REUMANN KARSTEN DIPL ING

Assignee(s): REUMANN KARSTEN DIPL ING 3057 NEUSTADT DE

Inventor(s): (std): REUMANN KARSTEN DIPL ING

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE3933459 A1	19910418	LSPB	+	published / reissued	
DE3933459 A1	19910523	LSLI	8122	NONBINDING INTEREST IN GRANTING LICENCES DECLARED	
DE3933459 A1	19931007	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	

Title: Light, insulation bricks - which are made of honeycomb structure made from cement-sand mixt. filled with styropore flakes

Abstract: Light, insulation bricks are made of a honeycomb, highly stable structure of cement/sand a lime/sand mixt. (2), filled in the pores with styropore flakes (sic) (1), a Brick is by-prod. of the petrochemical industry which is normally used as packing material. USE/ADVANTAGE - As **building** bricks in 2nd and 3rd world countries where the energy required to fire the bricks and the haulage costs of moving heavy traditional bricks are too high. Bricks are light and have good insulation properties towards cold and hot temps..

Classifications:

International (IPC 8-9): C04B28/02 C04B38/08

E04C1/40 (Advanced/Invention);

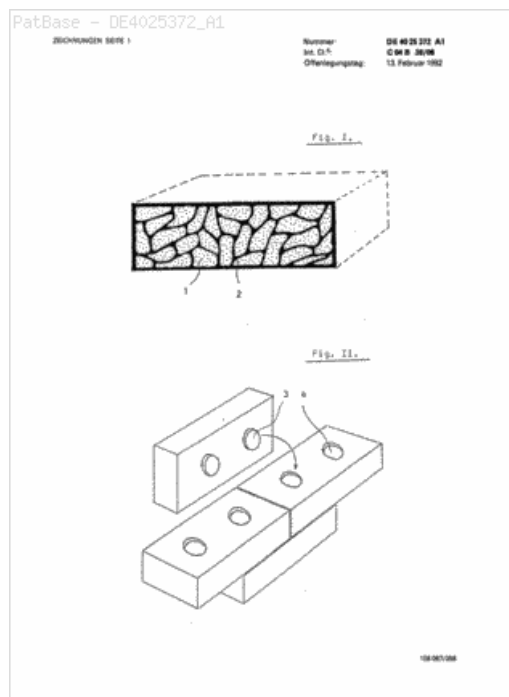
E04B2/02 (Advanced/Non-invention)

International (IPC 1-7): C04B18/08 C04B28/02 C04B28/18

C04B38/08 E04B1/74 E04B2/18 E04C1/00

CPC: C04B38/08 C04B28/02 E04B2002/0223 E04C1/40

European: C04B28/02 C04B38/08 E04C1/40 P04B2/02M1E4



Family:

Publication number	Publication date	Application number	Application date
DE4025372 A1	19920213	DE19904025372	19900810

Priority:

DE19904025372 19900810

Probable Assignee: LUECKE HANNS W

Assignee(s): (std): LUECKE HANNS W

Assignee(s): LUECKE HANNS W 8100 GARMISCH PARTENKIRCHEN DE

Inventor(s): (std): LUECKE HANNS W

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE4025372 A1	19920213	LSPB	+	published / reissued	
DE4025372 A1	19920319	LSLI	8122	NONBINDING INTEREST IN GRANTING LICENCES DECLARED	
DE4025372 A1	19930805	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	

Title: THE BOULDER BAG

Abstract: What is the Boulder Bag? It is a very strong bag filled with 20 to 30 boulders or rocks. It is a substitute for the traditional sand bag. This is the main product of this invention, THE BOULDER BAG. See Figure 1. Boulders are found in all countries. It is a universal item. They are in every country. They are natural from the soil or man-made from broken **buildings** or maybe just from cement itself. Natural boulders are not contaminating to the water systems as concrete may be. Now that we have this new invention, boulders can be made into BOULDER BAGS as products. This is the invention. See figure 1 to see what the traditional Boulder Bag looks like. Boulder bags can do some of the work of the traditional sand bags. Heavy requirements on sand depletes the ocean floor and ruin animals habitats. Boulder Bags can act as hurricane walls. They can be military barriers. They can be used at heavy-duty businesses like the Panama Canal, NASA, Hollywood's film yard and many other government projects. They are easily stacked and easily dismantled. In a lattice format one can actually **build** a house with them. Using the Boulder Gurney Mats as the roof because they are longer and overlaps for protection even against lightning. See Figure 3. All Boulder Bags provide a temporary shelter in times of great disasters. If organized into the bag, the Boulder Bag is made into a floor size mat with straps for the arms to protect the entire body. This becomes a shield for the entire body. This design of the Boulder Bag is called The Boulder Mat Bag See Figure 4. This is the product. This is a version of the Boulder Bag. It still does the work of any Boulder Bag although it is in a mat form. All Boulder Bags are to protect from natural disasters and more... The Boulder Bag Mat is actually wearable. It's a crawl under, too. It is meant to be pulled over you. See the wearable backpack called the RigiGloo. Just rig it to your body anywhere when you hear a tornado is coming. The Boulder RigiGloo Backpack is for any age group. Wear it inside of automobiles if a hurricane or tornado winds are driving you away. It is the personal or individual Boulder Bag type. Figure 5. These are organized boulders inside. The Boulder RigiGloo is a wearable backpack product. Its offer some protection from bullets and may be used by the army. It also protect in treading water if you think that the water is dragging you down. The Boulders Bags may be of great help in Mumbai to bolster down shelters and stalls. See Figure 6 There they will also be used with a bread board to make stalls, tables, beds and resting chairs and ladder lattice.. See Figure 7. The Boulder Bags invention is for every country. It is a substitute for the traditional sand bag. Anything smaller than a boulder size can be called a wing. Remember the comparison to the chicken earlier? A new style can be created called Boulder and Wings. See Figure 8. Sizes smaller than wings will be Boulders and Chips. This is the creative side of the boulders we call rocks in the earth. These Boulder Bags of this invention want to be managed. They want to be bought and carried around to work sites. This is why they are in a bag! They are tools to serve and to protect. They are not for sitting at gardens' borders looking pretty. They do mighty work like **building** military training mountains for inland use. Have you ever observed the wind blowing down a mountain's top. Boulder Bags make strong cohesive protection when together. See Figure 9. They bring the mountain to the urban areas. They **build** military walls. They **build** hurricane walls to protect ocean fronts. They **build** tornado walls and mountains to protect communities. Like grass is to hay bales, the earth is to the Boulder Bags. They are that attainable and easy to use for our livelihood. Many boulders just look out from the mountains where they are renewed. This invention deal with boulders that work for a living. These are called BOULDER BAGS. These kinds of boulders from the pure earth are not for export. They are the motherland itself. Boulders from rubble **buildings** or boulders made from cement are for export. Boulder Bags may have combinations. Boulders and Wings Bags may consist of boulders and rock of a consistent smaller size. See Figure 8 Boulders and Chip Bag will be boulders and sizes of rocks smaller than the wings are. The wings are sizes smaller than the boulders. The Boulders and Chippits Bag contains Boulders and rocks parts smaller than the chips but bigger than sand in the traditional sand bag. In other words, there are Boulder Bags versions for sale. The Boulder Bag versions are somewhat like different horses, dogs or cats, they are bred for different purposes. For example, boulders and chippits bag is for leaning on and Boulders alone bag is for **building** high steeples etc. Versions allow choices. Disasters are universal to all countries and so are boulders. All countries have the gift of boulders. It is what you do with them that counts. This is why the Boulder Bag Invention was created to make boulders matter like grass does. There were only boulder until the Boulder Bag was invented. This bag allows a portable and useable use of boulders like grass to hay or water to water bottles. The BOULDER BAG is the main product of this project. It is Figure 1 only. Boulders Bags takes the demand off sand bags and the ocean beds. Sand bags can wash away microscopically but boulders will not do so in a hurry. BOULDER BAGS are convertible to other projects of **masonry** when need ed. Bags and bags of Boulder Bags are really a force against the disasters of nature. With our changing climate every country can use them. They are universal in appeal! Can they be used on the moon? How about MOON BOULDER BAGS, a preliminary tool for temporary shelter there? Can Boulder Bags be used on Mars as preliminary **building** stations? How about MARS BOULDER BAGS? Boulder Bags and mobility go together. They make rocks very practical and practicable in modern or primitive terrains. On military mountains built of boulders, you can introduce your own animals, the drones! Hollywood may like such mountain on set! With the Boulder Bag invention, mountains can be ordered and sold! It is better to fix holes than mend cracks and in Mumbai, a city in India the boulder bags will help. See Figure 6 and Figure 7. The sand bag has a helper. This invention called THE BOULDER BAG! Surely with the BOULDER BAG we can wall- up against nature. Every year millions of dollars are lost from free rushing water everywhere. Snow is its own kind of boulder bag. After winter is over, BOULDER BAGS can be used to bolster flooding waters too. These can lend a hand to traditional sand bags. Go to the source of the rushing water and bolster it. Channel hills and mountains with bags to cause water to follow where you want. With BOULDER BAGS there should be no cause for water to freely run anywhere ruining homes. These bags allow for a regimented logistic program to be put in place soon after snow seasons. As for tornadoes, the BOULDER BAGS can help also. Do we see boulders flying from mountain tops or hills during a tornado or hurricane? Boulders are usually residential. Your find them where they are. For this reason BOULDER BAG products will be stable to customers. Figure one is the main product of this invention. BOULDER BAGS must be place at the right source. An army of BOULDER BAGS will save a lot of homes. An army of BOULDER BAGS will stop a lot of flooding everywhere. Like **legos**, they are easily stacked and dismantled BOULDER BAGS, like sand bags can be built up or taken down immediately. BOULDER BAGS on beaches can prevent rip currents from tearing up the city. Customers can rent BOULDER BAGS to put around their property. This takes the pressure of sand bags and create a new demand for BOULDER BAGS. Bag by bag a castle is built on the moon or on mars. The boulder is just the giant to the embryonic sand grain in sand bag. If the sand bags can do a great job for for the environment, surely the BOULDER BAGS can do much more. Hurricane walls will be a good start, right on beach fronts! Dams and other temporary barricades can be made, even mountains. See Fig 9 The ROCKIGLOO is a low lying one or two man fitting structure. See Figure 2. Go high or go low with BOULDER BAGS. There is so much flexibility in using this invention, the BOULDER BAGS. In time of disaster, the BOULDER Bags can be used as a triage for the wounded. It can be a crawl-in for the homeless. It can be a temporary shelter for wilderness hunter. On the highest side, it can be a mountain. See Fig 9 On the dry side, it can prevent landslides and erosions. On the personal side, you can wear a gourney, mat or backrigloo to help stay alive during natural disaster. See Figs 3, 4 and 5 Cement boulders are meant for export. Natural boulders are a part of the motherland and should not be exported. BOULDER WINGS, CHIPS and CHIPPITS are other version of the main product. See Fig 8, 8a, 8b. These products are more decorative than heavy-duty. They are all a kind of sand bag helper. With this invention, man can have dominion over nature more.

Classifications:

International (IPC 8-9): B65D30/00 (Advanced/Invention);

A45F3/00 (Advanced/Non-invention)

CP: F41H1/00 A45F3/00 B64G9/00 F41H11/08 E02B3/127 E04H1/12

E04H9/14 Y02A50/14 Y02A50/16

Figure 1
THE BOULDER BAG (original)
The Sand Bag Helper

Jeanile Manjapra
September 2, 2014



Family:

Publication number	Publication date	Application number	Application date
CA2864670 AA	20160326	CA20142864670	20140926

Priority:

CA20142864670 20140926

Probable Assignee:

MANJAPRA JEANILE

Assignee(s): (std):

MANJAPRA JEANILE

Inventor(s): (std):

MANJAPRA JEANILE

Legal status (INPADOC)

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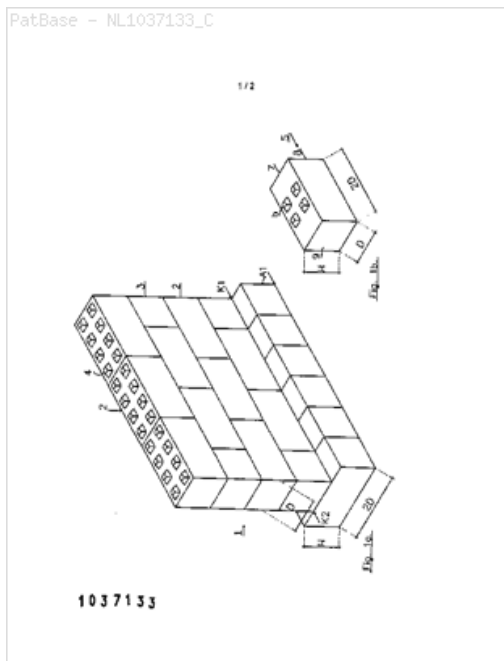
Patent	Date recorded	Event group	Code	Event	Details
CA2864670 AA	20160326	LSPB	+	published / reissued	
CA2864670 AA	20171107	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20170926

Title: WAND EN VOETBLOK VOOR EEN DERGELIJKE WAND.

Abstract: Source: NL1037133C [NL] DE ONDERHAVIGE UITVINDING HEEFT BETREKKING OP EEN WAND OMVATTENDE ALTHANS TEN MINSTE IN HOOFDZAAK LOS OP ELKAAR GESTAPELDE IN HOOFDZAAK BLOKVORMIGE ELEMENTEN VAN BETON, WAARBIJ DE BOVENZIJDIGE RESPECTIEVELIJK ONDERZIJDIGE VAN TWEE DIRECT OP ELKAAR GESTAPELDE IN HOOFDZAAK BLOKVORMIGE ELEMENTEN ZIJN VOORZIEN VAN MET ELKAAR CORRESPONDERENDE EN IN ELKAAR GRIJPENDE UITSTULPINGEN RESPECTIEVELIJK UITSPARINGEN, DE WAND OMVATTENDE EEN TEN MINSTE IN HOOFDZAAK CONSTATE DIKTE D WAARBIJ DE WAND AAN DE ONDERKANT EEN VERDIKKING OMVAT, ZODANIG DAT DE WAND TER PLAATSE VAN DE VERDIKKING EEN DIKTE VAN TEN MINSTE 1,2 D HEEFT. CO CO " DIT OCTROOI IS VERLEEND ONGEACHT HET BIJGEVOEGDE RESULTAAT VAN HET ONDERZOEK NAAR DE STAND VAN DE TECHNIEK EN O SCHRIFTELIJKE OPINIE. HET OCTROOISCHRIFT WIJKT AF VAN DE OORSPRONKELIJK INGEDIENDE STUKKEN. ALLE INGEDIENDE STUKKEN _L KUNNEN BIJ NL OCTROOICENTRUM WORDEN INGEZIEN. **Machine translation:** THE PRESENT INVENTION RELATES TO A WALL INCLUDING AT LEAST AT LEAST ESSENTIALLY LOS stacked SUBSTANTIALLY BLOCK SHAPED ELEMENTS OF CONCRETE WHICH THE TOP OR BOTTOM OF TWO DIRECTLY ON EACH STACKED IN MAIN BLOCK SHAPED ELEMENTS ARE PROVIDED WITH EACH CORRESPONDING AND Interlocking projections OR recesses WALL INCLUDING A MINIMUM substantially constant thickness D WHICH THE WALL TO THE BOTTOM INCLUDES THE BOSSES, SUCH THAT THE WALL AT THE BOSSES SITE HAS A THICKNESS OF LESS THAN 1,2 D. CO CO "THIS PATENT GRANTED IN ANY ACCOMPANYING THE RESULT OF THE EXAMINATION OF THE PRIOR ART AND O WRITTEN OPINION. The patent differs from the ORIGINALLY FILED DOCUMENTS. _L ARE ALL SUBMITTED DOCUMENTS ARE MADE TO SEE AT NL Patent Office.

Classifications:

International (IPC 8-9): E02D27/02 E04B2/08
E04H7/28 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
NL1037133 C	20110124	NL20091037133	20090720
NL1037133 C2	20110124	NL20091037133	20090720

Priority:

NL20091037133 20090720

Probable Assignee: JANSSEN BETONWAREN B V

Assignee(s): (std): JANSSEN BETONWAREN B V ; JANSSEN BETONWAREN BV

Inventor(s): (std): SPOORMAKERS HENRI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
NL1037133 C	20110124	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1037133 C	20290720	PEXP		Calculated Patent Term Expiry	
NL1037133 C2	20110124	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1037133 C2	20290720	PEXP		Calculated Patent Term Expiry	

Title: DISASSEMBLABLE TOY **BUILDING** BLOCK MADE OF A MATERIAL CONTAINING NATURAL FIBERS

Abstract: The **building** blocks (1) are made from a material containing natural fibers and having several small individual fibers preferably without any fixed preferred orientation. The block which has connectors and sockets is preferably compressible or deformable at least in the region of same so that the connectors and sockets mutually engage with better force-locking action.

Classifications:

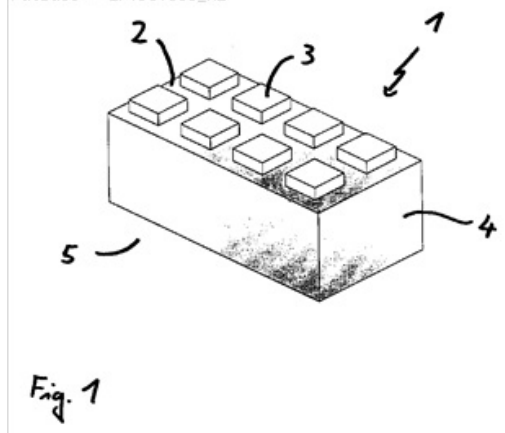
International (ipc 8-9): A63H33/04 A63H33/08 (Advanced/Invention); A63H33/04 (Core/Invention)

International (ipc 1-7): A63H33/04 A63H33/08 B29C45/00

CPC: A63H33/04 A63H33/08

European: A63H33/04 A63H33/08

PatBase - EP0960638_A2



Family:

Publication number	Publication date	Application number	Application date
DE19823688 A1	19991202	DE19981023688	19980527
DE19823688 C2	20000720	DE19981023688	19980527
DE19823689 A1	19991202	DE19981023689	19980527
DE19823689 C2	20000720	DE19981023689	19980527
EP0960638 A2	19991201	EP19990110295	19990527

Priority:

DE19981023688 19980527 DE19981023689 19980527

Probable Assignee: DACHER ROGER

Assignee(s): (std): DACHER ROGER ; HUBER HERBERT ; MEHNERT AXEL ; STAUBER MARKUS ; WIMMER MARTIN

Inventor(s): (std): MEHNERT AXEL ; STAUBER MARKUS ; HUBER HERBERT ; WIMMER MARTIN

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE19823688 A1	19991202	LSPB	+	published / reissued	
DE19823688 A1	19991202	LSSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE19823688 C2	20000720	LSGT	+	granted / extensions (spc, cpc, pte)	
DE19823688 C2	20000720	LSGT	+D2	GRANT AFTER EXAMINATION	
DE19823688 C2	20010118	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE19823688 C2	20030313	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE19823688 C2	20180527	PEXP		Calculated Patent Term Expiry	
DE19823689 A1	19991202	LSPB	+	published / reissued	
DE19823689 A1	19991202	LSSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE19823689 C2	20000720	LSGT	+	granted / extensions (spc, cpc, pte)	
DE19823689 C2	20000720	LSGT	+D2	GRANT AFTER EXAMINATION	
DE19823689 C2	20010118	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE19823689 C2	20030313	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE19823689 C2	20180527	PEXP		Calculated Patent Term Expiry	
EP0960638 A2	19991201	LSPB	+	published / reissued	
EP0960638 A2	20020703	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20011201

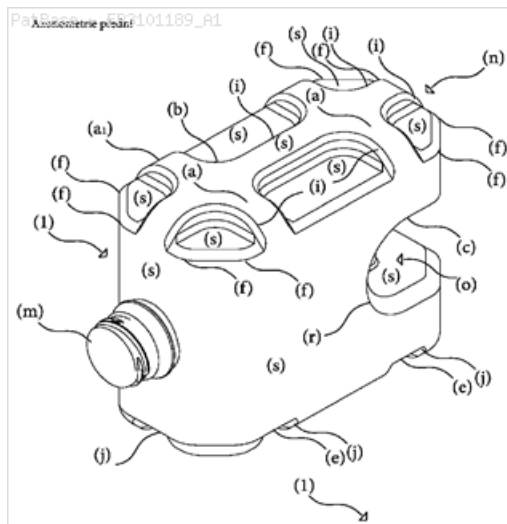
Title: **BUILDING** UNIT OF PLASTIC, IN PARTICULAR BOTTLE-SHAPED UNITE DE BATIMENT PLASTIQUE, EN PARTICULIER EN FORME DE BOUT

Abstract: A **building** unit of plastic according to this invention has the shape of a prism whose bottom (n) has an aspect ratio of 1: 2 and bevelled edges (z) at an angle of 45 degrees with rounded corners (f) with a unified radius and the height of the prism is also equal to once to twice its width, with one shorter side of the prism having projection (a) in the shape of two continuous equal-armed crosses, with rounding on inner corners (b) and the opposite shorter side having negative depression (e) matching projection (a), and bottom (n) having depression (o) for up to three necks of other **building** units, including caps, on its central axis and with projections (a) on all edges (i) being bevelled at an angle of 45 degrees and depressions (e) on all edges (j) being bevelled at an angle of 45 degrees. It is a self-supporting multi-functional **building** component using recycled plastics, which itself does not degrade. The element can be filled with various materials and mixtures thereof, its shape allows joining individual elements.

Classifications:

International (IPC 8-9): B65D21/02 B65D81/36 E04B2/02 E04B2/16 E04B2/18 E04B2/22 E04C1/40 (Advanced/Invention)

CPC: B65D21/0204 B65D21/0231 B65D81/361 E04B2/18 E04B2/22 E04B2002/0208 E04B2002/0213



Family:

Publication number	Publication date	Application number	Application date
CZ20150115 A3	20160622	CZ20150000115	20150220
CZ306019 B6	20160622	CZ20150000115	20150220
DE602016000483 D1	20171123	DE201660000483T	20160219
EP3101189 A1	20161207	EP20160156563	20160219
EP3101189 B1	20171004	EP20160156563	20160219
HU035946 T2	20180628	HU20160156563T	20160219

Priority:

CZ20150000115 20150220 EP20160156563 20160219

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Assignee(s): (std): CESKE VYSOKE UCENI TECHNICKE V PRAZE ; CESKE VYSOKE UCENI TECHNICKE V PRAZE FAKULTA ARCH ; CESKE VUT V PRAZE

Assignee(s): CESKE VYSOKE UCENI TECHNICKE V PRAZE FAKULTA ARCHITEKTURY

Inventor(s): (std): CAPEK JAN ; NOVAKOVA KATERINA ; PROKOP SIMON ; PROKOP ŠIMON

Agent(s): KRATOCHVIL VACLAV

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CZ20150115 A3	20160622	LSPB	+	published / reissued	
CZ306019 B6	20160622	LSGT	+	granted / extensions (spc, cpc, pte)	
CZ306019 B6	20350220	PEXP		Calculated Patent Term Expiry	
EP3101189 A1	20161207	LSPB	+	published / reissued	
EP3101189 A1	20161207	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20160414
EP3101189 A1	20170607	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20170511
EP3101189 B1	20171004	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP3101189 B1	20171013	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP

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EP3101189 B1	20171123	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602016000483 COUNTRY OF REF DOCUMENT : DE
EP3101189 B1	20180226	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
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EP3101189 B1	20180705	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602016000483 COUNTRY OF REF DOCUMENT : DE
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EP3101189 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE

				EPO]	FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171004
EP3101189 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171004
EP3101189 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171004
EP3101189 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171004
EP3101189 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171004
EP3101189 B1	20180912	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20180705
EP3101189 B1	20180928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171004
EP3101189 B1	20180928	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20180409 YEAR OF FEE PAYMENT : 3
EP3101189 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180803 YEAR OF FEE PAYMENT : 3
EP3101189 B1	20181128	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP3101189 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171004
EP3101189 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180219
EP3101189 B1	20181130	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20181031
EP3101189 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180219

EP3101189 B1	20190228	LSLE	-PG25	EPO] LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180228
EP3101189 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180228
EP3101189 B1	20190531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20190212 YEAR OF FEE PAYMENT : 4
EP3101189 B1	20190903	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 602016000483 COUNTRY OF REF DOCUMENT : DE
EP3101189 B1	20190930	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP3101189 B1	20191231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20190228
EP3101189 B1	20191231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20190228
EP3101189 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180219
EP3101189 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20190903
EP3101189 B1	20200331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171004
EP3101189 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171004
EP3101189 B1	20200630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20171004
EP3101189 B1	20200630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171004

EP3101189 B1	20360219	PEXP		Calculated Patent Term Expiry
HU035946 T2	20180628	LSPB	+	published / reissued

Title: PROCEDE POUR LE MONTAGE D'UNE CONSTRUCTION DE BATIMENT METHOD FOR THE INSTALLATION OF A **BUILDING** CONSTRUCTION (Machine translation)

Abstract: Source: FR1376387A [FR] (Claim 1) 1. Les elements sont empiles en forme de rangees et de couches sur une assise et l'empilage est obture par une seconde assise et est serre en combinaison avec les deux assises par des armatures disposees transversalement a travers l'empilage et les assises;

Machine translation: (Claim 1) 1. The elements are stacked in the form of rows and layers on a seat and the stack is closes by a second seat and is clamped in combination with the two layers by reinforcements arranged transversely through the stack and the foundation;

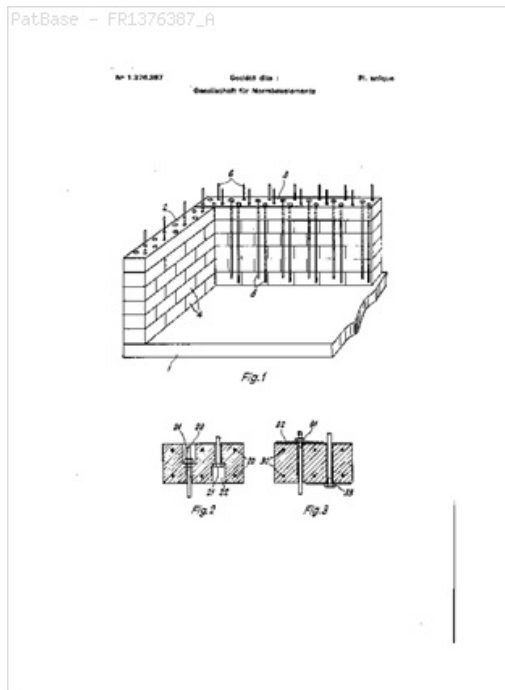
Classifications:

International (IPC 8-9): E04B2/10 (Advanced/Invention); E04B2/04 (Core/Invention)

International (IPC 1-7): B28B1/00 E04B2/16 E04C1/10

CPC: E04B2/10

European: E04B2/10



Family:

Publication number	Publication date	Application number	Application date
FR1376387 A	19641023	FR19630956472	19631209

Priority:

FR19630956472 19631209

Probable Assignee: NORMBAUELEMENTE GES

Assignee(s): (std): NORMBAUELEMENTE GES

Assignee(s): F NORMBAUELEMENTE GES ; GESELLSCHAFT FUER NORMBAUELEMENTE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR1376387 A	19641023	LSGT	+	granted / extensions (spc, cpc, pte)	
FR1376387 A	19831209	PEXP		Calculated Patent Term Expiry	

Title: SELF INTERLOCKING BLOCK SYSTEM

Abstract: A self interlocking block system wherein blocks with one or more apertures are interconnected by inserting a hollow peg through the aligned apertures of two vertically adjacent blocks such that a portion of the hollow peg extends into the aperture of the top block and a portion of the hollow peg extends into the aperture of the bottom block, resulting in a vertical shaft extending from the top row of blocks through the bottom row of blocks to the base surface. The vertical shafts may be filled with one or more vertical support bars and/or filler material to provide additional support.

Classifications:

International (IPC 8-9): E04B2/18 E04B2/24 E04C1/00

E04C2/04 (Advanced/Invention);

E04B2/02 (Advanced/Non-invention);

E04B2/14 E04C2/04 (Core/Invention);

E04B2/02 (Core/Non-invention)

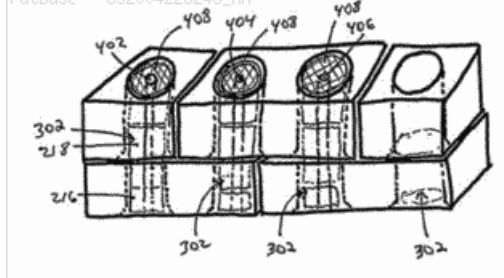
International (IPC 1-7): E04B5/04 E04B5/48

CPC: E04B2/18 E04B2/24 E04B2002/0245 E04C2/041

European: E04B2/18 E04B2/24 E04C2/04B P04B2/02M3A

US: 52/503 52/576 52/582.1 52/585.1 52/606 52/747.12 525/851

PatBase - US2004226246_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2004226246 AA	20041118	US20030439928	20030516
US6996945 BB	20060214	US20030439928	20030516
WO04104313 A1	20041202	WO2004US14761	20040510

Priority:

US20030439928 20030516

Probable Assignee: DOTY STEVEN E

Assignee(s): (std): DOTY STEVEN E

Inventor(s): (std): DOTY STEVEN E

Agent(s): STEPTOE AND JOHNSON PLLC

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 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 SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2004226246 AA	20041118	LSPB	+	published / reissued	
US6996945 BB	20060214	LSGT	+	granted / extensions (spc, cpc, pte)	
US6996945 BB	20090806	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6996945 BB	20140214	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6996945 BB	20140317	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6996945 BB	20140317	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6996945 BB	20140408	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20140214
US6996945 BB	20230516	PEXP		Calculated Patent Term Expiry	
WO04104313 A1	20041202	LSPB	+	published / reissued	
WO04104313 A1	20060712	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO

Title: SOLOARMAR CONSTRUCTION ENGINEERING SYSTEM

Abstract: The invention relates to the Soloarmar construction system comprising an original wall construction method, in which the cavities in the blocks are precisely aligned in the vertical axis. According to the invention, the blocks are assembled using an inner engagement device such that resistant **masonry** can be produced quickly and specially adapted for clay or concrete blocks using specific industrial templates, machines, nozzles and dies designed by Soloarmar. The appearance and characteristics obtained are similar to those obtained with standard **masonry** techniques, but with the mixture only being used to lay the first course instead of between all of the blocks.

Classifications:

International (IPC 8-9): E02D29/00 E04B1/02 E04B1/686 E04B2/00 E04B2/02 E04B2/16 E04B2/18 E04B2/24 E04B5/04 E04C1/00

E04C1/40 E04C2/52 (Advanced/Invention);

E04B2/02 (Advanced/Non-invention);

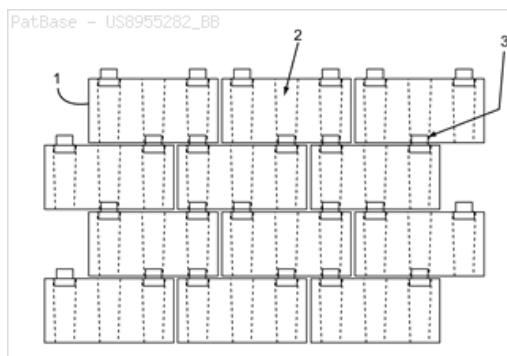
E02D29/00 E04B2/14 E04C1/00 (Core/Invention)

International (IPC 1-7): E02D29/00

CPC: E04B2/16 E04B2/24 E04B2002/0245

European: E04B2/16 E04B2/24 P04B2/02M3A

US: 52/396.06 52/415 52/415P 52/562 52/585.1 52/606 52/745.09 52/745.090S



Family:

Publication number	Publication date	Application number	Application date
BRPI0612360 A2	20101103	BR2006PI12360	20060421
BRPI0612360 B1	20160119	BR2006PI12360	20060421
CR8348 A	20080926	CR20060008348	20060420
ES1068509 UA	20081101	ES20080001102U	20080526
ES1068509 Y1	20090201	ES20080001102U	20080526
MX2007013094 A1	20100324	MX20070013094	20060421
PA8631001 A1	20051223	PA20050086310	20050421
US2012102863 AA	20120503	US20060912303	20060421
US8955282 BB	20150217	US20060912303	20060421
WO06111106 A2	20061026	WO2006CR00004	20060421
WO06111106 A3	20061221	WO2006CR00004	20060421
WO06111106 B1	20070301	WO2006CR00004	20060421

Priority:

PA20050086310 20050421 WO2006CR00004 20060421

Probable Assignee: SOLOARMAR PANAMA S A

Assignee(s): (std): BARQUERO YAP LUIS ANDRES ; CHING MIXZA YAP ; LUIS ANDRES BARQUERO YAP ; SOLOARMAR PANAMA S A ; YAP CHING MIXZA

Assignee(s): SOLOARMAR PANAMA SA ; MIXZA YAP CHING

Inventor(s): (std): CHING MIXZA YAP ; YAP CHING MIXZA ; BARQUERO YAP LUIS ANDRES

Inventor(s): MIXZA YAP CHING

Agent(s): WESTERMAN HATTORI DANIELS AND ADRIAN LLP

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRPI0612360 A2	20110309	LSAS	B25A	REQUESTED TRANSFER OF RIGHTS APPROVED	PARTYTYPE : OWNER OWNER : MIXZA YAP CHING (PA) OLDPARTY : TRANSFERIDO DE: LUIS ANDRES BARQUERO YAP
BRPI0612360 A2	20141216	LSES	B65X	NOTIFICATION OF REQUIREMENT FOR PRIORITY EXAMINATION OF PATENT APPLICATION	
BRPI0612360 A2	20141230	LSES	+B65Y	GRANT OF PRIORITY EXAMINATION OF THE PATENT APPLICATION (REQUEST COMPLIES WITH DEC. 132/06 OF 20061117)	
BRPI0612360 A2	20150203	LSES	B07A	TECHNICAL EXAMINATION	

BRPI0612360 A2	20151229	LSGT	B09A	(OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION) DECISION: INTENTION TO GRANT	
BRPI0612360 A2	20160119	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	TEXT : PRAZO DE VALIDADE: 20 (VINTE) ANOS CONTADOS A PARTIR DE 21/04/2006, OBSERVADAS AS CONDICOES LEGAIS.
BRPI0612360 A2	20160920	LSLE	-B21F	LAPSE ACC. ART. 78, ITEM IV - ON NON-PAYMENT OF THE ANNUAL FEES IN TIME	TEXT : REFERENTE A 10A ANUIDADE.
BRPI0612360 A2	20170110	LSLE	-B24J	LAPSE BECAUSE OF NON-PAYMENT OF ANNUAL FEES (DEFINITIVELY: ART 78 IV LPI, RESOLUTION 113/2013 ART. 12)	TEXT : EM VIRTUDE DA EXTINCAO PUBLICADA NA RPI 2385 DE 20-09-2016 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDA A EXTINCAO DA PATENTE E SEUS CERTIFICADOS, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
BRPI0612360 B1	20260421	PEXP		Calculated Patent Term Expiry	
CR8348 A	20080926	LSPB	+	published / reissued	
ES1068509 UA	20081101	LSPB	+	published / reissued	
ES1068509 Y1	20090201	LSGT	+	granted / extensions (spc, cpc, pte)	
ES1068509 Y1	20090201	LSGT	+FG1K	UTILITY MODEL GRANTED	
ES1068509 Y1	20160729	LSLE	-FD1K	UTILITY MODEL LAPSED	EFFECTIVE DATE : 20160729
ES1068509 Y1	20180526	PEXP		Calculated Patent Term Expiry	
MX2007013094 A1	20100324	LSPB	+	published / reissued	
MX2007013094 A1	20080814	LSAS	GB	TRANSFER OR ASSIGNMENT	
PA8631001 A1	20051223	LSPB	+	published / reissued	
US2012102863 AA	20120503	LSPB	+	published / reissued	
US8955282 BB	20150217	LSGT	+	granted / extensions (spc, cpc, pte)	
US8955282 BB	20150127	LSGT	PAT1	Patented Case	
US8955282 BB	20190325	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	TEXT : PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL STATUS CODE: EXP.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US8955282 BB	20190325	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US8955282 BB	20190325	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US8955282 BB	20190416	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20190217
US8955282 BB	20311110	PEXP		Calculated Patent Term Expiry (PTA 2029 days)	
WO06111106 A2	20061026	LSPB	+	published / reissued	
WO06111106 B1	20071019	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2007/013094 COUNTRY OF REF DOCUMENT : MX

WO06111106 B1	20071023	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	REF COUNTRY CODE : DE
WO06111106 B1	20071023	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : DE
WO06111106 B1	20071115	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2006761630 COUNTRY OF REF DOCUMENT : EP
WO06111106 B1	20071121	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	REF COUNTRY CODE : RU
WO06111106 B1	20071121	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 07123219 COUNTRY OF REF DOCUMENT : CO
WO06111106 B1	20071121	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : RU
WO06111106 B1	20071122	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2006761630 COUNTRY OF REF DOCUMENT : EP
WO06111106 B1	20071217	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2006761630 COUNTRY OF REF DOCUMENT : EP
WO06111106 B1	20080924	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 06761630 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :
WO06111106 B1	20101103	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : PI0612360 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :
WO06111106 B1	20111219	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 11912303 COUNTRY OF REF DOCUMENT : US

Title: HIERARCHICAL FUNCTIONAL DIGITAL MATERIALS

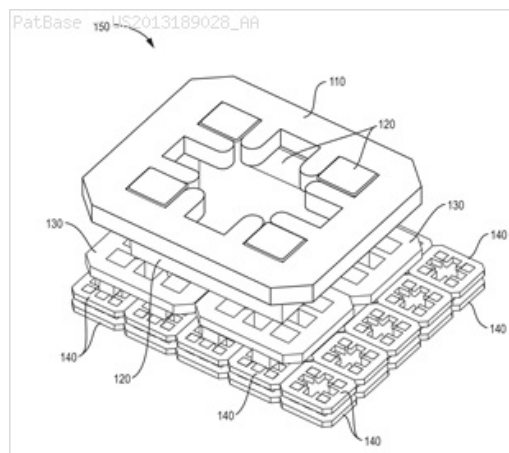
Abstract: A hierarchical digital material comprises a set of self-similar digital voxels and connectors. Each voxel is connectable to other self-similar digital voxels by means of the connectors and each voxel is configured to accept connectors of differing sizes. Voxels and connectors may be of differing sizes. Voxels and connectors of the same or differing sizes are connectable to each other in order to assemble two- and three-dimensional structures. The voxels within a structure may be made of differing materials, as may the connectors.

Classifications:

International (IPC 8-9): A63H33/04 B28B1/00 F16B1/00 F16B3/00 G06F19/00 G06F3/042 H01F1/00 (Advanced/Invention); B29C67/00 (Advanced/Non-invention)

CPC: B22F3/1055 B29L2031/3406 Y02P10/295 F16B1/00 Y10T29/4902 H01F1/00 F16B3/00 Y10T403/70 Y10T403/74 B29C64/00

US: 1/1 29/602.1 310/10 335/296 403/345 403/404



Family:

Publication number	Publication date	Application number	Application date
US2013189028 AA	20130725	US20120669434	20121105
US2014145522 AA	20140529	US20130972876	20130821
US9506485 BB	20161129	US20120669434	20121105
WO14031793 A2	20140227	WO2013US56063	20130821
WO14031793 A3	20140619	WO2013US56063	20130821
WO14031793 A9	20140410	WO2013US56063	20130821

Priority:

US20110555747P 20111104 US20120691733P 20120821 US20120669434 20121105
US20130972876 20130821

Probable Assignee: MASSACHUSETTS INST OF TECHNOLOGY

Assignee(s): (std): GERSHENFELD NEIL A ; GERSHENFELD NEIL ADAM ; LANGFORD WILLIAM KAI ; MASSACHUSETTS INST TECHNOLOGY ; PEEK NADYA M ; POST ERNEST REHMI ; WARD JONATHAN DANIEL

Assignee(s): MASSACHUSETTS INST OF TECHNOLOGY

Inventor(s): (std): WARD JONATHAN DANIEL ; POST ERNEST REHMI ; PEEK NADYA M ; LANGFORD WILLIAM KAI ; GERSHENFELD NEIL ADAM ; GERSHENFELD NEIL A

Agent(s): NORMA E; HENDERSON NORMA E

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 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2013189028 AA	20130725	LSPB	+	published / reissued	
US2013189028 AA	20161109	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2013189028 AA	20161128	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MASSACHUSETTS INSTITUTE OF TECHNOLOGY, MASSACHUSET OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: GERSHENFELD, NEIL ADAM; WARD, JONATHAN DANIEL; SIGNING DATES FROM 20161019 TO 20161020; REEL/FRAME: 040432/0563
US2014145522 AA	20140529	LSPB	+	published / reissued	
US2014145522 AA	20150630	LSSES	NFA1	Non Final Action Mailed	
US2014145522 AA	20170428	LSSES	NFA1	Non Final Action Mailed	

US2014145522 AA	20171031	LSAL	NAF1	Notice of Appeal Filed	
US2014145522 AA	20190103	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US9506485 BB	20161129	LSGT	+	granted / extensions (spc, cpc, pte)	
US9506485 BB	20151125	LSES	NFA1	Non Final Action Mailed	
US9506485 BB	20161109	LSGT	PAT1	Patented Case	
US9506485 BB	20200529	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9506485 BB	20321105	PEXP		Calculated Patent Term Expiry	
WO14031793 A2	20140227	LSPB	+	published / reissued	
WO14031793 A3	20150916	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 13830985 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :

Title: ELECTRONIC ELEMENT AND ELECTRICALLY CONTROLLED DISPLAY ELEMENT

Abstract: The invention relates to the use of an electronic element (E) with at least one processor- and memory function (27b), for use as an arithmetic element (6) and/or computer element (6) and/or device element (2a) and/or component element (2a), the electronic element comprising an identification- (1c) and/or authentication function (1c) of a user in a digital network (12) by means of a computer-assisted, at least partly automated and/or autonomously ordered encrypted method (14e), and/or comprising a computer-assisted, at least partly automated and/or autonomously ordered control function (1b), wherein the electronic element (E) consists of at least one hardware element (27) and/or software (26).

Classifications:

International (IPC 8-9): B60R13/10 G06F1/16 G06F21/31 G06F21/60 G06F21/78 G06K19/02 G09F19/22 H04L29/06 H04L9/32

H04W12/06 (Advanced/Invention)

CPC: G06F21/31 G06F21/60 G06F21/78 G09F27/00 G09F19/22 H04L9/32 H04L63/08 H04L2209/38 H04W12/06

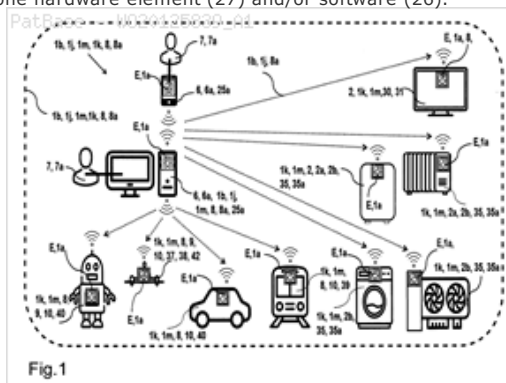


Fig. 1

Family:

Publication number	Publication date	Application number	Application date
DE102018010197 A1	20200618	DE201810010197	20181218
WO20125839 A1	20200625	WO2019DE000339	20191218
WO20125840 A1	20200625	WO2019DE000340	20191218

Priority:

DE201810010197 20181218

Probable Assignee: GRID INVENT GGMBH

Assignee(s): (std): GRID INVENT GGMBH

Inventor(s): (std): TUENTE UDO

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

Legal status (INPADOC)

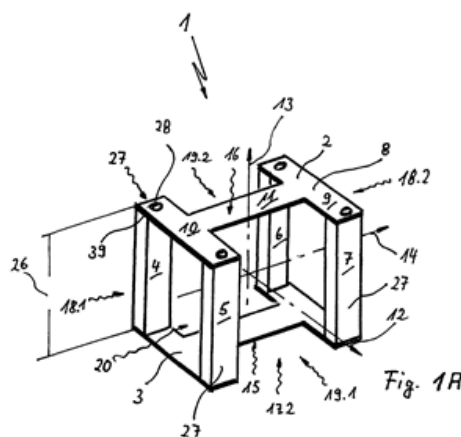
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Patent	Date recorded	Event group	Code	Event	Details
DE102018010197 A1	20200618	LSPB	+	published / reissued	
WO20125839 A1	20200625	LSPB	+	published / reissued	
WO20125840 A1	20200625	LSPB	+	published / reissued	

Abstract: The invention relates, in general, to the field of wooden **building** construction with elements consisting of wood and insulating materials. The supporting parts of a wooden construction for a **building** consist primarily of different supporting structures. According to this invention, the supporting structure of a wooden **building** is assembled from a modular supporting structure element which is made of wood and easy for an individual to handle. As a result, a supporting structure can be produced, in the dry and self-assembly mode of construction, at any time of year and without the use of mortar or adhesives. A plurality of these easy-to-handle supporting structure elements, which can be laid in the stretcher bond, form the **building** walls for a wooden house, said supporting structure subsequently being able to be covered with insulating elements and the cavities being able to be filled in with insulating material.

International (IPC 8-9): E04B1/10 E04B2/02 E04B2/70 E04C1/00 E04C1/39 E04C2/12 (Advanced/Invention)

PatBase - W016058573 A1



Publication number	Publication date	Application number	Application date
DE202014008049 U1	20150319	DE201420008049U	20141012
EP3204568 A1	20170816	EP20150828480	20150922
WO16058573 A1	20160421	WO2015DE000470	20150922
WO16058573 A4	20160804	WO2015DE000470	20150922

DE201420008049U 20141012 WO2015DE000470 20150922

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 UB US UZ VC VN ZA ZW ZW

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Patent	Date recorded	Event group	Code	Event	Details
DE202014008049 U1	20150319	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202014008049 U1	20150319	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20150319
DE202014008049 U1	20180427	LSGT	+R150	UTILITY MODEL MAINTAINED AFTER PAYMENT OF FIRST MAINTENANCE FEE AFTER THREE YEARS	
DE202014008049 U1	20241012	PEXP		Calculated Patent Term Expiry	
EP3204568 A1	20170816	LSPB	+	published / reissued	
EP3204568 A1	20170816	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20170508
EP3204568 A1	20181003	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20180830
WO16058573 A1	20160421	LSPB	+	published / reissued	

Title: Concrete element

Abstract: Source: DE29910469U1 [DE] (Claim 1) 1. Betonelement, welches bis zu 95 percent, vorzugsweise 90 percent, Bauschuttgut enthaelt, wobei dieses Gut eine Koernung in der Groessenordnung von etwa 0 bis 32 mm aufweist.

Machine translation: (Claim 1) 1. Concrete element, which up to 95 by cent, preferably 90 by cent, contains **building** debris property, whereby this property exhibits a granulation in the order of magnitude of approximately 0 to 32 mm.

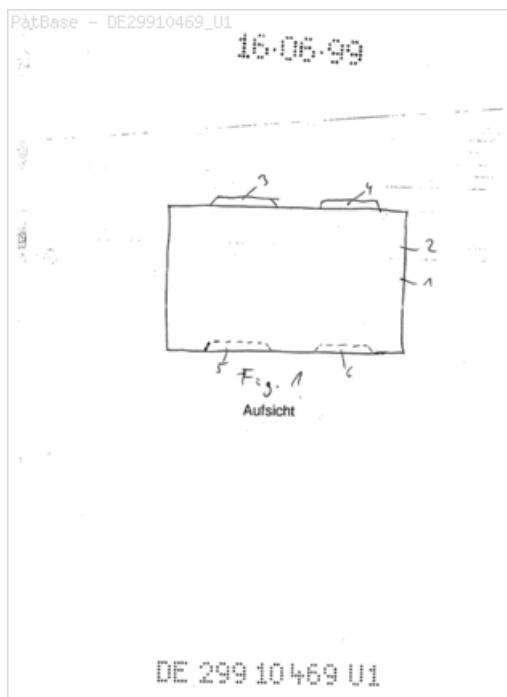
Classifications:

International (IPC 8-9): C04B18/16 C04B28/02 (Advanced/Invention);
C04B18/04 C04B28/00 (Core/Invention)

International (IPC 1-7): C04B18/06 C04B18/16

CPC: Y02W30/94 Y02W30/95 Y02W30/97 C04B28/02 C04B18/16

European: C04B18/16 C04B28/02



Family:

Publication number	Publication date	Application number	Application date
DE29910469 U1	20000316	DE19992010469U	19990615

Priority:

DE19992010469U 19990615

Probable Assignee: KLUMPE SAM TRUCK GMBH

Assignee(s): (std): KLUMPE SAM TRUCK GMBH

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE29910469 U1	20000316	LSGT	+	granted / extensions (spc, cpc, pte)	
DE29910469 U1	20000316	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20000316
DE29910469 U1	20021114	LSGT	+R150	UTILITY MODEL MAINTAINED AFTER PAYMENT OF FIRST MAINTENANCE FEE AFTER THREE YEARS	EFFECTIVE DATE : 20020906
DE29910469 U1	20050929	LSGT	+R151	UTILITY MODEL MAINTAINED AFTER PAYMENT OF SECOND MAINTENANCE FEE AFTER SIX YEARS	EFFECTIVE DATE : 20050726
DE29910469 U1	20080417	LSLE	-R158	LAPSE OF IP RIGHT AFTER 8 YEARS	EFFECTIVE DATE : 20080101
DE29910469 U1	20090615	PEXP		Calculated Patent Term Expiry	

CA19962257539 19960607 WO1996US10493 19960607 US19960767837 19961217
US19970974432 19971119 US19990347506 19990702 US20010824986 20010402

Probable Assignee: LAZZZY WAY

Assignee(s): (std): LAZZZY WAY ; LOCKE TERESA M ; LOCKE RANDAL D ; DUNBAR DANIEL P

Assignee(s): LOCKE RANDAL D A ; LAZZZY WAY PATENT HOLDING AND MANAGEMENT CO ; LOCKE TERESA MARIE ; DUNBAR DANIEL PAUL

Inventor(s): (std): DUNBAR DANIEL PAUL ; LOCKE RANDAL D A ; LOCKE TERESA MARIE ; DANIEL P DUNBAR ; RANDAL D LOCKE ; TERESA M LOCKE ; LOCKE TERESA M ; LOCKE RANDAL D ; DUNBAR DANIEL P

Inventor(s): TERESA MARIE LOCKE ; DANIEL PAUL DUNBAR ; RANDAL D A LOCKE

Agent(s): PHILLIPS ORMONDE FITZPATRICK; JOHNSON ERNEST PETER

Designated states: AL AM AT AU AZ BB BE BF BG BJ BR BY CA CF CG CH CI CN CZ DE DK EE ES FI FR GB GE GR HU IE IL IS IT JP KE KG KP KR KZ LI LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG US UZ VN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU199664776 A1	19961230	LSPB	+	published / reissued	
AU713138 B2	19991125	LSGT	+	granted / extensions (spc, cpc, pte)	
AU713138 B2	20020117	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU713138 B2	20160607	PEXP		Calculated Patent Term Expiry	
CA2257539 AA	19981207	LSPB	+	published / reissued	
CA2257539 AA	20020607	LSLE	-FZDE	DEAD	
EP1006775 A2	20000614	LSPB	+	published / reissued	
EP1006775 A2	20000614	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19990107
EP1006775 A2	20000614	LSSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 19991124
EP1006775 A2	20020612	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20020426
EP1006775 A2	20030416	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20020907
US2002088175 AA	20020711	LSPB	+	published / reissued	
US5678600 A	19971021	LSGT	+	granted / extensions (spc, cpc, pte)	
US5678600 A	20010417	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5678600 A	20051021	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5678600 A	20051123	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5678600 A	20051123	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5678600 A	20051220	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20051021
US5678600 A	20150607	PEXP		Calculated Patent Term Expiry	
US5743290 A	19980428	LSGT	+	granted / extensions (spc, cpc, pte)	
US5743290 A	20020426	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5743290 A	20020625	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20020428
US5743290 A	20060531	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5743290 A	20060531	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362

US5743290 A	20060627	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20060428
US5743290 A	20161217	PEXP		Calculated Patent Term Expiry	
US5782035 A	19980721	LSGT	+	granted / extensions (spc, cpc, pte)	
US5782035 A	20020722	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5782035 A	20060721	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5782035 A	20060823	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5782035 A	20060823	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5782035 A	20060919	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20060721
US5782035 A	20150721	PEXP		Calculated Patent Term Expiry	
US5842498 A	19981201	LSGT	+	granted / extensions (spc, cpc, pte)	
US5842498 A	20021202	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5842498 A	20061201	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5842498 A	20070103	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5842498 A	20070103	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5842498 A	20070130	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20061201
US5842498 A	20171119	PEXP		Calculated Patent Term Expiry	
US5918415 A	19990706	LSGT	+	granted / extensions (spc, cpc, pte)	
US5918415 A	20030703	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5918415 A	20070706	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5918415 A	20070806	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5918415 A	20070806	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5918415 A	20070828	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20070706
US5918415 A	20160706	PEXP		Calculated Patent Term Expiry	
US6612069 BB	20030902	LSGT	+	granted / extensions (spc, cpc, pte)	
US6612069 BB	20070902	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6612069 BB	20071001	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6612069 BB	20071001	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6612069 BB	20071023	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY	EFFECTIVE DATE : 20070902

				MAINTENANCE FEE	
US6612069 BB	20210409	PEXP		Calculated Patent Term Expiry (PTA 7 days)	
US6729070 BA	20040504	LSGT	+	granted / extensions (spc, cpc, pte)	
US6729070 BA	20080504	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6729070 BA	20080602	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6729070 BA	20080602	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6729070 BA	20080624	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20080504
US6729070 BA	20190702	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO9639801 A2	19961219	LSPB	+	published / reissued	
WO9639801 A3	19980409	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO9639801 A3	19981207	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2257539 COUNTRY OF REF DOCUMENT : CA
WO9639801 A3	19981207	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2257539 COUNTRY OF REF DOCUMENT : CA KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO9639801 A3	19981207	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	REF COUNTRY CODE : CA
WO9639801 A3	19990107	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1996924278 COUNTRY OF REF DOCUMENT : EP
WO9639801 A3	20000614	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1996924278 COUNTRY OF REF DOCUMENT : EP
WO9639801 A3	20020907	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1996924278 COUNTRY OF REF DOCUMENT : EP

Title: MULTIUSE CONSTRUCTION SYSTEM: MULTISPACE 2000

Abstract: Disclosed is a modular **building** system and method of **building** an expandable **building**. There is a visible foundation comprising structural beam elements of reinforced concrete having a plurality of foundation rods extending upwardly therefrom and a plurality of modular blocks for forming walls of the **building** extending upwardly from the foundation beam elements. The blocks have vertical apertures therethrough and are adapted to be assembled into the walls such that a plurality of vertical ducts are formed in the walls by the apertures of adjacently assembled blocks. Wall rods having upper and lower ends with the lower ends of the wall rods being connectable to the foundation beam rods at selected locations thereof and adapted to extend upwardly through selected ones of the assembled wall ducts. At least some of the wall rods are of a height where the upper ends are exposed above an assembled wall.

Classifications:

International (IPC 8-9): E02D31/02 E04B E04B1/00 E04B1/26 E04B1/343 E04B1/35 E04B1/38 E04B2/02 E04B2/44 E04B2/52 E04B5/02 E04B5/10 E04B7/04 E04B9/00 E04C1/39 E04C1/41 E04C3/04 F24J2/04 (Advanced/Invention);

E04B1/26 E04B1/35 E04B2/02 E04C3/04 (Advanced/Non-invention); E02D31/00 E04B1/00 E04B2/42 E04B5/02 E04B5/10 E04B7/04 E04B9/00 E04C1/00 F24J2/04 (Core/Invention); E04B1/26 E04B1/35 E04B2/02 E04C3/04 (Core/Non-invention); E04B (Subclass/Invention)

International (IPC 1-7): E04B1/00 E04B1/343 E04B1/35 E04B1/38 E04B2/52 E04B5/00 E04B7/00

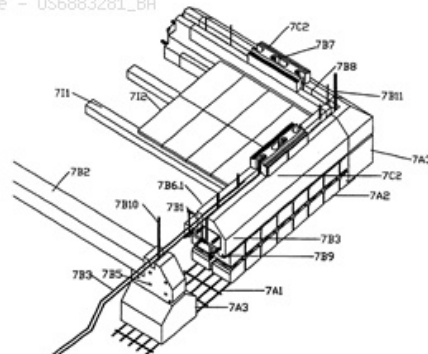
CPC: F24S20/66 E04B1/2612 E04B5/023 E04B7/04 E02D31/02 E04B1/0023 E04B1/2604 E04B2/44 E04B2/52 E04B5/04 E04B5/10 E04B9/00 E04B2001/0053 E04B2001/3583 E04B2002/0208 E04B2002/0254 E04C1/397 E04C1/41 E04C2003/043 E04C2003/0465 Y02B10/20 Y02E10/44

European: E02D31/02 E04B1/00C E04B2/44 E04B2/52 E04B5/02C E04B5/04 E04B5/10 E04B7/04 E04B9/00 E04C1/39C E04C1/41 F24J2/04B10 P04B1/00S P04B1/26B P04B1/26B2 P04B1/35T

P04B2/02M1B P04B2/02M3E P04C3/04S2A P04C3/04S3S Y02B10/20 Y02E10/44

US: 52/223.7 52/284

PatBase - US6883281_BA



Family:

Publication number	Publication date	Application number	Application date
AT330083 E	20060715	AT19990974001T	19990907
AU200128087 A1	20010410	AU20010028087	19990907
AU200128087 A5	20010410	AU20010028087	19990907
AU767783 B2	20031127	AU20010028087	19990907
CA2264415 AA	20000902	CA19992264415	19990302
CA2264415 C	20050816	CA19992264415	19990302
DE69931969 D1	20060727	DE19996031969T	19990907
DE69931969 D1	20060727	DE19996031969	19990907
EP1214482 A1	20020619	EP19990974001	19990907
EP1214482 B1	20060614	EP19990974001	19990907
ES2291050 T3	20080216	ES19990974001T	19990907
HK1049194 A1	20070824	HK20020109240	20021219
HK1049194 B	20070824	HK20020109240	20021219
MXPA02002481 A1	20040910	MX2002PA02481	19990907
US6883281 BA	20050426	US20020070679	20020715
WO0118317 A1	20010315	WO1999CA00815	19990907

Priority:

CA19992264415 19990302 EP19990974001 19990907 WO1999CA00815 19990907

Probable Assignee: CHAVEZ GANDARA HECTOR E

Assignee(s): (std): WENDY HANNA ; HECTOR E CHAVEZ GANDARA ; HANNA WENDY ; CHAVEZ GANDARA HECTOR ENRIQUE ; CHAVEZ GANDARA HECTOR E

Inventor(s): (std): CHAVEZ GANDARA E ; HECTOR E CHAVEZ GANDARA ; WENDY HANNA ; HANNA WENDY ; CHAVEZ GANDARA HECTOR ENRIQUE ; CHAVEZ GANDARA HECTOR E

Agent(s): PHILLIPS ORMONDE FITZPATRICK; FINLAYSON AND SINGLEHURST; HONG KONG PATENT AGENCY; SIMPSON AND SIMPSON PLLC

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CF CG CH CI CM CN CU CY CZ DE DK 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 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 UA UG US UZ VN YU ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT330083 E	20060715	LSGT	+	granted / extensions (spc, cpc, pte)	
AT330083 E	20061215	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT330083 E	20190907	PEXP		Calculated Patent Term Expiry	
AU200128087 A1	20010410	LSPB	+	published / reissued	
AU767783 B2	20031127	LSGT	+	granted / extensions	

(spc, cpc, pte)					
AU767783 B2	20010802	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2) (F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
AU767783 B2	20040325	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU767783 B2	20190907	PEXP		Calculated Patent Term Expiry	
CA2264415 AA	20000902	LSPB	+	published / reissued	
CA2264415 AA	19990714	LSES	+EEER	EXAMINATION REQUEST	
CA2264415 C	20050816	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2264415 C	20140415	LSLE	-MKLA	LAPSED	EFFECTIVE DATE : 20140304
CA2264415 C	20190302	PEXP		Calculated Patent Term Expiry	
DE69931969 D1	20070516	LSWD	-8332	NO LEGAL EFFECT FOR DE	
DE69931969 D1	20070516	LSWD	-8332	NO LEGAL EFFECT FOR DE	
DE69931969 D1	20070516	LSWD	-8332	NO LEGAL EFFECT FOR DE	
DE69931969 D1	20070516	LSWD	-8332	NO LEGAL EFFECT FOR DE	
EP1214482 A1	20020619	LSPB	+	published / reissued	
EP1214482 A1	20020619	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20020403
EP1214482 A1	20050525	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : CHAVEZ-GANDARA, HECTOR E.
EP1214482 A1	20060118	LSRE	RTI1	TITLE (CORRECTION)	TEXT : A MULTIUSE CONSTRUCTION SYSTEM USING MODULAR BUILDING BLOCKS
EP1214482 B1	20060614	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1214482 B1	20060614	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060614
EP1214482 B1	20060614	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060614
EP1214482 B1	20060614	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060614
EP1214482 B1	20060614	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060614
EP1214482 B1	20060614	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE

				INFORMATION FROM NATIONAL OFFICE TO EPO]	TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060614
EP1214482 B1	20060614	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060614
EP1214482 B1	20060614	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060614
EP1214482 B1	20060614	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1214482 B1	20060615	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1214482 B1	20060712	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1214482 B1	20060907	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060907
EP1214482 B1	20060914	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060914
EP1214482 B1	20060914	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060914
EP1214482 B1	20060915	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060915
EP1214482 B1	20060925	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060925
EP1214482 B1	20060930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060930
EP1214482 B1	20061114	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE

					PREScribed TIME-LIMIT LAPSED DATE : 20061114
EP1214482 B1	20061201	LSLE	-NLV1	NL: LAPSED OR ANNULLED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT	REF COUNTRY CODE : EP
EP1214482 B1	20061229	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1214482 B1	20070523	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20070315
EP1214482 B1	20070824	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1049194 COUNTRY OF REF DOCUMENT : HK
EP1214482 B1	20080216	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2291050 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP1214482 B1	20080430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT LAPSED DATE : 20070309
EP1214482 B1	20080430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT LAPSED DATE : 20060915
EP1214482 B1	20080731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20060907
EP1214482 B1	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT LAPSED DATE : 20060614
EP1214482 B1	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT LAPSED DATE : 20060614
EP1214482 B1	20101231	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20100930 YEAR OF FEE PAYMENT : 12
EP1214482 B1	20121231	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20120713 YEAR OF FEE PAYMENT : 14
EP1214482 B1	20130529	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20120907
EP1214482 B1	20130731	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	: GB NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20120907
EP1214482 B1	20150331	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20150331
EP1214482 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20130908
EP1214482 B1	20190907	PEXP		Calculated Patent Term Expiry	
ES2291050 T3	20080216	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2291050 T3	20190907	PEXP		Calculated Patent Term Expiry	
HK1049194 A1	20070824	LSPB	+	published / reissued	
HK1049194 A1	20150402	LSLE	-PC	PATENT CEASED (I.E. PATENT HAS LAPSED DUE TO THE FAILURE TO PAY THE RENEWAL FEE)	EFFECTIVE DATE : 20140907
HK1049194 A1	20221219	PEXP		Calculated Patent Term Expiry	
HK1049194 B	20070824	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1049194 B	20221219	PEXP		Calculated Patent Term Expiry	
MXPA02002481 A1	20040910	LSPB	+	published / reissued	
MXPA02002481 A1	20091106	LSGT	+FG	GRANT OR REGISTRATION	
MXPA02002481 A1	20200131	LSLE	-MM	ANNULMENT OR LAPSE DUE TO NON-PAYMENT OF FEES	
US6883281 BA	20050426	LSGT	+	granted / extensions (spc, cpc, pte)	
US6883281 BA	20081027	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6883281 BA	20130426	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6883281 BA	20130527	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6883281 BA	20130527	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6883281 BA	20130618	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20130426
US6883281 BA	20220715	PEXP		Calculated Patent Term Expiry	
WO0118317 A1	20010315	LSPB	+	published / reissued	
WO0118317 A1	20020307	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : PA/A/2002/002481 COUNTRY OF REF DOCUMENT : MX
WO0118317 A1	20020403	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1999974001 COUNTRY OF REF DOCUMENT : EP
WO0118317 A1	20020404	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 28087/01 COUNTRY OF REF DOCUMENT : AU
WO0118317 A1	20020619	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1999974001 COUNTRY OF REF DOCUMENT : EP

WO0118317 A1	20020715	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10070679 COUNTRY OF REF DOCUMENT : US
WO0118317 A1	20020814	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO0118317 A1	20040311	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 28087/01 COUNTRY OF REF DOCUMENT : AU
WO0118317 A1	20060614	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1999974001 COUNTRY OF REF DOCUMENT : EP

Title: Reconstituted wood block modular **building** system

Abstract: A reconstituted wood block modular **building** system utilized to **build** at least a wall that includes a concrete slab, a plurality of anchor bolts, a plurality of vertically-oriented steel rods, a plurality of threaded sleeves, a plurality of reconstituted wood blocks, a plurality of elongated, slender, and rectangular-parallelepiped-shaped horizontal alignment keys, a plurality of elongated, slender, and rectangular-parallelepiped-shaped vertical alignment keys, and an adhesive. The plurality of reconstituted wood blocks are positioned horizontally side by side and are stacked vertically without being staggered. Each block has a cylindrically-shaped throughbore that opens into, and extends vertically downwardly from, a center of the flat top face thereof to, and opens into, a center of the flat bottom face thereof, and communicates with both the top face longitudinal groove and the bottom face longitudinal groove, and provides a conduit for electrical wiring and plumbing and thereby eliminates a need for drilling and cutting. The cylindrically-shaped throughbore in vertically aligned blocks vertically receives the plurality of vertically-oriented steel rods so as to provide added strength for the wall to withstand most winds and hurricanes. Each horizontal alignment key is disposed in the end face groove of adjoining end faces of horizontally adjacent blocks. Each vertical alignment key is disposed in the top face longitudinal groove in each block, on both sides of the cylindrically-shaped throughbore, and extends horizontally into the top face longitudinal groove in a horizontally adjacent block. Each vertical alignment key is further disposed in the bottom face longitudinal groove in a vertically adjacent block, on both sides of the cylindrically-shaped throughbore, and extends horizontally into the bottom face longitudinal groove in a horizontally adjacent block. And, the adhesive is disposed on, and attaches, adjoining faces of adjacent blocks, without the need for mortar.

Classifications:

International (IPC 8-9): E04B2/08 (Advanced/Invention);

E04B2/02 (Advanced/Non-invention);

E04B2/04 (Core/Invention);

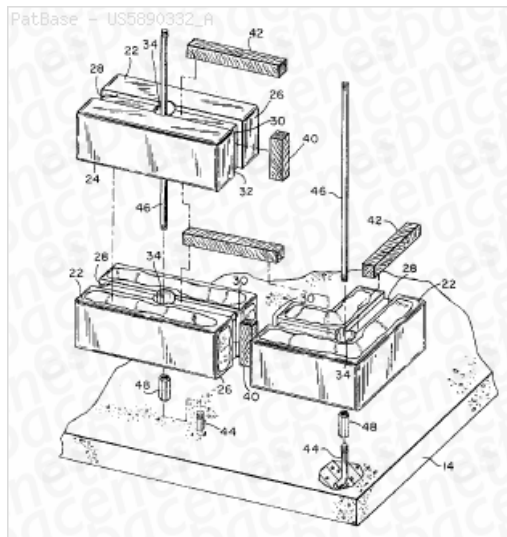
E04B2/02 (Core/Non-invention)

International (IPC 1-7): E04B2/18

CPC: E04B2/08 E04B2002/0254

European: E04B2/08 P04B2/02M3E

US: 52/271 52/274 52/285.1 52/295 52/586.1 522/710



Family:

Publication number	Publication date	Application number	Application date
US5890332 A	19990406	US19970785656	19970117

Priority:

US19970785656 19970117

Probable Assignee:

LATINO PAUL J

Assignee(s): (std):

LATINO PAUL J ; SKIDMORE LESTER J

Inventor(s): (std):

SKIDMORE LESTER J ; LATINO PAUL J

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US5890332 A	19990406	LSGT	+	granted / extensions (spc, cpc, pte)	
US5890332 A	20030407	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5890332 A	20030507	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5890332 A	20030507	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5890332 A	20030603	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20030406
US5890332 A	20170117	PEXP		Calculated Patent Term Expiry	

Title: WALL-PANEL SYSTEM FOR FACADE MATERIALS

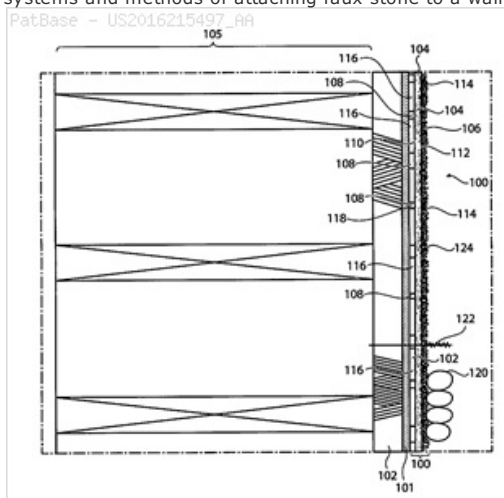
Abstract: A wall system for improved water drainage, and diminished probability of occurrence of mold, mildew and rot formation behind cladding attached to the wall system. The wall system is generally material agnostic, and may be used as an interface between a structural-wall sheathing (including house wraps, gage-metal framing, and felt), and exterior-facade materials, including, but not necessarily limited to: faux **masonry**, faux stone, mortar, stucco, and other aesthetic or exterior-facade materials. The following disclosure is also directed to systems and methods of attaching faux stone to a wall.

Classifications:

International (IPC 8-9): E04B1/70 E04B2/28 E04B2/42 E04B2/44 E04B2/56 E04B2/92 E04C2/52 (Advanced/Invention)

CPC: E04C2/52 E04B2/92 E04B1/7038 E04B2/42 E04B2/44 E04B2002/565 E04B2/28 E04F13/007

US: 1/1 52/741.4



Family:

Publication number	Publication date	Application number	Application date
US2016215497 AA	20160728	US20150873153	20151001
US9151043 BA	20151006	US20140321489	20140701
US9453337 BB	20160927	US20150873153	20151001

Priority:

US20140321489 20140701 US20150873153 20151001

Probable Assignee: EVOLVE MFG LLC

Assignee(s): (std): EVOLVE MFG LLC

Inventor(s): (std): BOHM JOSEPH ; FRITZ GEORGE ; FRITZ GREGORY

Agent(s): ROBERT R; AXENFELD LAW GROUP LLC

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2016215497 AA	20160728	LSPB	+	published / reissued	
US2016215497 AA	20160825	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : EVOLVE MANUFACTURING LLC, VIRGINIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BOHM, JOSEPH; FRITZ, GREG; FRITZ, GEORGE; REEL/FRAME:039542/0775 EFFECTIVE DATE : 20140701
US2016215497 AA	20160907	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9151043 BA	20151006	LSGT	+	granted / extensions (spc, cpc, pte)	
US9151043 BA	20150617	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : EVOLVE MANUFACTURING LLC, VIRGINIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BOHM, JOSEPH; FRITZ, GREG; FRITZ, GEORGE; REEL/FRAME:035855/0293 EFFECTIVE DATE : 20140701
US9151043 BA	20150916	LSGT	PAT1	Patented Case	
US9151043 BA	20150916	LSGT	STCF	INFORMATION ON STATUS: PATENT	TEXT : PATENTED CASE

GRANT					
US9151043 BA	20190527	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US9151043 BA	20190610	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : SURCHARGE FOR LATE PAYMENT, SMALL ENTITY (ORIGINAL EVENT CODE: M2554); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US9151043 BA	20190610	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9151043 BA	20340701	PEXP		Calculated Patent Term Expiry	
US9453337 BB	20160927	LSGT	+	granted / extensions (spc, cpc, pte)	
US9453337 BB	20160907	LSGT	PAT1	Patented Case	
US9453337 BB	20191022	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9453337 BB	20351001	PEXP		Calculated Patent Term Expiry	

Title: BLOCK-BASED CONSTRUCTION SYSTEM

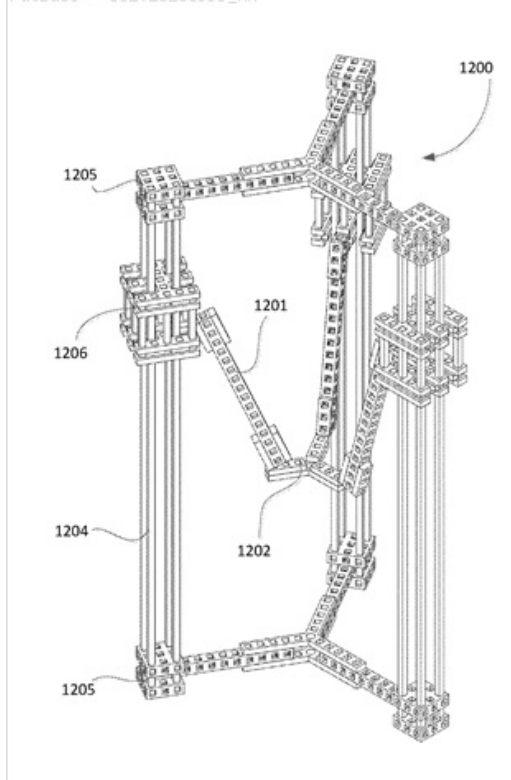
Abstract: A set of **building** components is disclosed. The set includes a plurality of blocks and at least one connecting member for connecting and supporting a subset of the plurality of blocks in fixed relative position. Each of at least two of the blocks includes: a pair of parallel end faces, the end faces defining a block thickness therebetween, and a plurality of side faces extending between the end faces. Each of the at least two blocks defines three or more first holes extending between the end faces, wherein the first holes are arranged in orthogonal rows and columns and each pair of adjacent first holes extends in parallel spaced relation to each other. The at least one connecting member includes one or more rod portions that are sized to fit through the first holes of the blocks of the subset.

Classifications:**International (IPC 8-9):** A63H33/08 A63H33/10

A63H33/14 (Advanced/Invention)

CPC: A63H33/12 A63H33/088 A63H33/108 A63H33/14**US:** 1/1 446/119

PatBase - US2018256999_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2018256999 AA	20180913	US20170457046	20170313

Priority:

US20170457046 20170313

Probable Assignee: GUPTA YUSH**Assignee(s):** (std): GUPTA YUSH**Assignee(s):** GUPTA ADULT FATHER AMITABHA ; GUPTA ADULT MOTHER SUMAN**Inventor(s):** (std): GUPTA YUSH**Legal status (INPADOC)**[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
US2018256999 AA	20180913	LSPB	+	published / reissued	
US2018256999 AA	20180222	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GUPTA, ADULT, MOTHER, SUMAN, CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GUPTA, FOR YUSH GUPTA, DECEASED, AMITABHA; GUPTA, FOR YUSH GUPTA, DECEASED, SUMAN; REEL/FRAME:045005/0641 EFFECTIVE DATE : 20180212
US2018256999 AA	20180222	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GUPTA, ADULT, FATHER, AMITABHA, CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GUPTA, FOR YUSH GUPTA, DECEASED, AMITABHA; GUPTA, FOR YUSH GUPTA, DECEASED, SUMAN; REEL/FRAME:045005/0641 EFFECTIVE DATE : 20180212

US2018256999 AA 20190502

LSES

NFA1

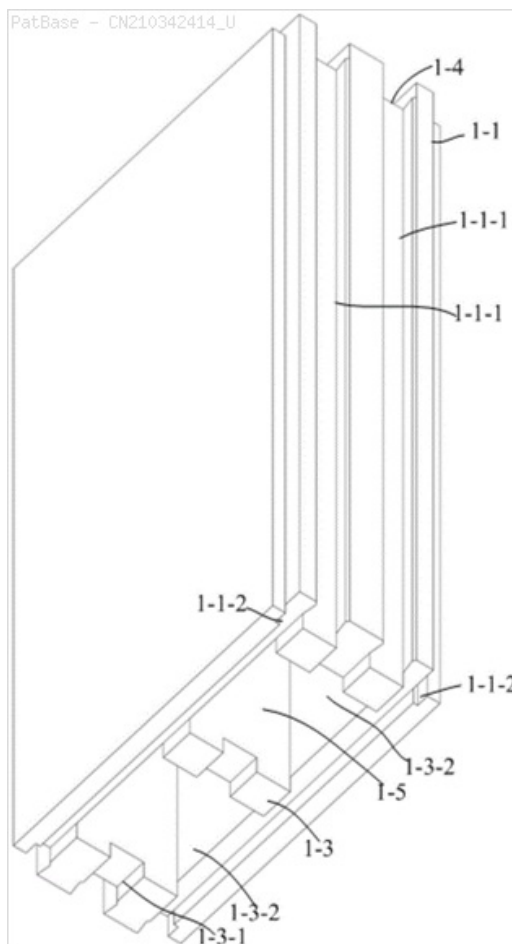
Non Final
Action Mailed

Title: Brick, wall and **building** body (Machine translation)

Abstract: Source: CN210342414U **Machine translation:** The utility model embodiment discloses a brick, the brick **building**, wall and body comprises a rectangular block, on a first side to the second side of the first tongue and groove, tongue and groove disposed corresponding to the first position of the first tenon, tongue and groove disposed on the third side of the second, on the fourth side of the second dovetail groove corresponding to the position for the second tenon, tongue and groove with the first tenon dovetail shaped so that the left and right adjacent two bricks brick body by the first tenon groove with the first tenon fit fixed, vertically adjacent two bricks body through the second tenon groove and the second tenon fit fixed, so that the barrier wall **masonry** process as a fight inserted **LEGO** bricks, avoid the use of mortar, reducing on-site wet work and **building** construction waste, construction convenient, thereby improving the flexibility and efficiency of construction, **masonry building** brick standardized full-size system can adapt to various sizes of various **buildings** needs, factory product production in improve the brick product quality while greatly reducing the cost.

Classifications:

International (IPC 8-9): E04B2/08 E04C 1/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN210342414 U	20200417	CN201921129434U	20190717

Priority:

CN201921129434U 20190717

Probable Assignee: GOLD POINT STONE BEIJING ARCHITECTURAL DESIGN CONSULTING SERVICES LIABILITY CO LTD

Assignee(s): GOLD POINT STONE BEIJING ARCHITECTURAL DESIGN CONSULTING SERVICES LIABILITY CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN210342414 U	20200417	LSGT	+	granted / extensions (spc, cpc, pte)	
CN210342414 U	20200417	LSGT	+GR01	PATENT GRANT	
CN210342414 U	20290717	PEXP		Calculated Patent Term Expiry	

Title: DISPOSICAO APLICADA EM CUBOS EDUCATIVOS INTERCAMBIAVEIS ROTATIVOS PROVISION APPLIED IN EDUCATIONAL HUBS Interchangeable ROTARY (Machine translation)

Abstract: Source: BR202014023685U [PT] RESUMO "DISPOSICAO APLICADA EM CUBOS EDUCATIVOS INTERCAMBIAVEIS ROTATIVOS " Pertence a area de brinquedos de montar.A presente patente de modelo de utilidade tem por objetivo apresentar um modelo inovador de blocos intercambiaveis, seus desenhos inovadores, permitem montagens com rotacoes de ate 360 graus. Referindo-se a uma nova e inedita disposicao de blocos intercambiaveis, com uma estrutura que permite montagens com rotacoes de ate 360 graus. Os cubos podem seguir em qualquer direcao, com uma fixacao mais segura que os cubos ou blocos existentes. Com a articulacao dos cubos podem ser realizados movimentos rotacionais e angulares, permitindo uma montagem de brinquedos com movimentos mais realistas. **Machine translation:** SUMMARY "hand APPLIED IN EDUCATIONAL HUBS Interchangeable ROTARY" It belongs to the area of toy montar.A this patent for utility model is to present an innovative model of interchangeable blocks, their innovative designs, enable assemblies with rotations of up to 360 degrees. Referring to a new and inedita disposition of interchangeable blocks with a structure that allows assemblies with rotations of up to 360 degrees. Cubes can go any direction, with a more secure fixation that the existing cubes or blocks. With the articulation of the cubes can be made rotational and angular movements, allowing assembly toys with more realistic motion.

Classifications:

International (IPC 8-9): A63F7/00 A63H33/08 (Advanced/Invention)

PatBase - BR202014023685_U2

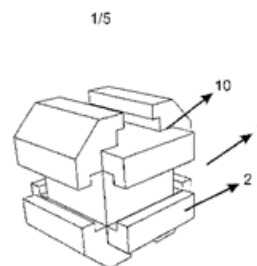


Fig.1

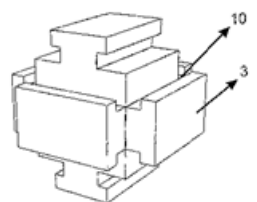


Fig.2

Family:

Publication number	Publication date	Application number	Application date
BR202014023685 U2	20160419	BR20142023685U	20140924

Priority:

BR20142023685U 20140924

Probable Assignee:

JESUS ELCO DE SOUZA FILHO

Assignee(s): (std):

JESUS ELCO DE SOUZA FILHO

Assignee(s):

ELCO DE SOUZA JESUS FILHO

Inventor(s): (std):

JESUS ELCO DE SOUZA FILHO

Inventor(s):

ELCO DE SOUZA JESUS FILHO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BR202014023685 U2	20160419	LSPB	B03A	PUBLICATION OF AN APPLICATION: PUBLICATION OF A PATENT APPLICATION OR OF A CERTIFICATE OF ADDITION OF INVENTION	
BR202014023685 U2	20190723	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY	TEXT : REFERENTE A 5A ANUIDADE.

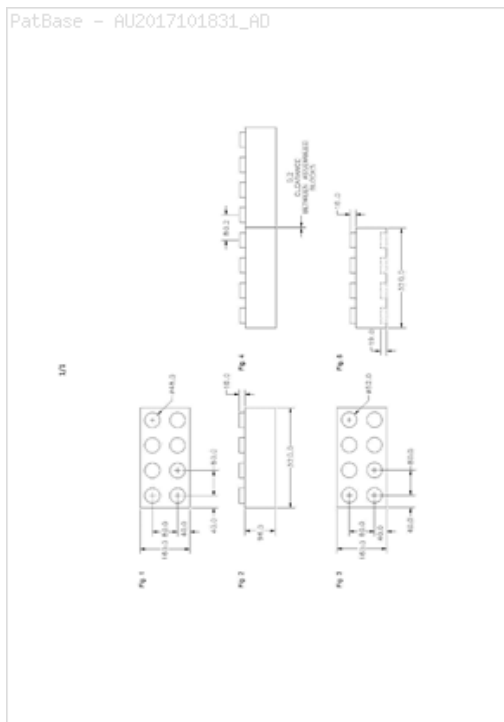
				LAW	
BR202014023685 U2	20191112	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	TEXT : EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2533 DE 23-07-2019 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.

Title: THE 8-KNOBS INTERLOCKING CONSTRUCTION BLOCK (IMPROVEMENTS IN THE TYPOLOGY OF NON-CONVENTIONAL JOINERY AND ANTI-SEISMIC PROPERTIES OF **BUILDINGS** AND STRUCTURES COMPOSED OF THE INTERLOCKING ELEMENTS OF CONSTRUCTION)

Abstract: An 8-Knobs Interlocking Construction Block refers to an art of computer (numerically) controlled precision pre-cut or otherwise pre-fabricated interlocking construction block which is a one whole piece, i.e. a single solid created of any material not excluding cork, clay, concrete, metal, recycling materials, rubber, polystyrene, plastic, Styrofoam, wood, etc., and consists of an elongated cubical main solid body (a rectangular parallelepiped) having 8 uniform solid cylindrical projections (knobs) on its top horizontal surface and 8 uniform cylindrical negative projections (holes) from its bottom horizontal surface. The 8 knobs (arranged 2x4) respectively extending normally upward on the top horizontal surface of the main body by a certain height correspond to the apertures (i.e. elongated hollow cylinders, arranged 2x4, projected into the body of the main solid) from the bottom horizontal surface of the main body. Blocks can be connected following the longitudinal (axial) direction, but rotations of 90°, 180°, 270° and 360° allow transverse combinations as well. When blocks are assembled (stacked or mounted one on top of the other) the knobs of the bottom solid are interlocked by the entire main body of the solid mounted on the top, and secured by natural forces of gravity and mass of the structure created by mounted blocks, and especially in combination with rubber blocks inserted within the row or course of laying (in at least 2.5 percent of total construction material), which generate maximal flexibility of the **building** and increase significantly the stability of the entire structure, whereas rubber blocks act as cardinal points realising oscillation and destructive forces of the earthquake thus generating unique anti-seismic and earthquake resistant properties of the respective construction, built to withstand the destructive forces and other effects of the earthquakes.

Classifications:

International (IPC 8-9): E04B1/02 E04B2/08
E04C 1/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
AU2017101831 AD	20180621	AU20170101831	20170414

Priority:

AU20170101831 20170414

Probable Assignee:

SEGEDI NIKOLA MR

Assignee(s): (std):

SEGEDI NIKOLA ; SEGEDI NIKOLA MR

Inventor(s): (std):

SEGEDI NIKOLA

Agent(s):

SEGEDI NIKOLA MR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2017101831 AD	20180621	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2017101831 AD	20180621	LSGT	+FGI	LETTERS PATENT SEALED OR GRANTED (INNOVATION PATENT)	

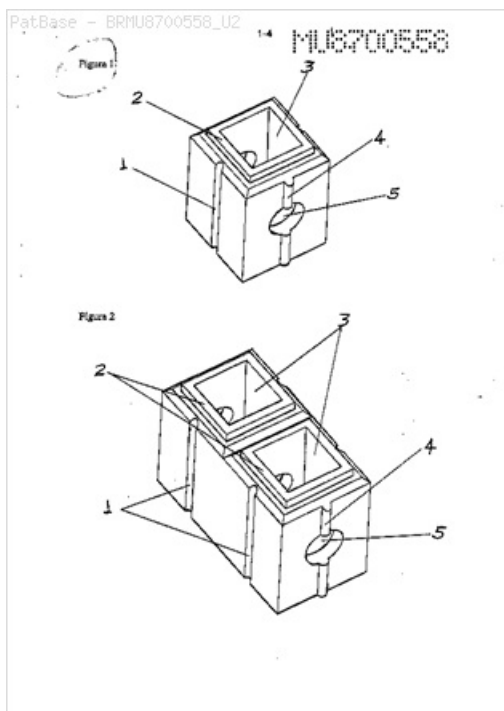
Title: configuraCco aplicada em blocos usados na construCco civil configuraCco applied block-type used in construCco civil (Machine translation)

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 construo de alvenarias; paredes, muros e outras edificaes. As pecas, apos a definiao estruturais edificaveis, podem receber acabamento conforme especificaes e tecnicas tradicionais ja conhecidas da construo 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 edificaes. 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRMU8700558 U2	20081118	LSPB	B03A	PUBLICATION OF AN APPLICATION: PUBLICATION OF A PATENT APPLICATION OR OF A CERTIFICATE OF ADDITION OF INVENTION	
BRMU8700558 U2	20110322	LSRV	-B11A	DISMISSAL ACC. ART.33 OF IPL -	

				EXAMINATION NOT REQUESTED WITHIN 36 MONTHS OF FILING	
BRMU8700558 U2	20110927	LSES	B04C	REQUEST FOR EXAMINATION: REINSTATEMENT - ARTICLE 33, SOLELY PARAGRAPH, OF INDUSTRIAL PROPERTY LAW	
BRMU8700558 U2	20130611	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE 6A. ANUIDADE(S).
BRMU8700558 U2	20131126	LSFE	+B08G	APPLICATION FEES: RESTORATION	
BRMU8700558 U2	20151201	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE A 8A ANUIDADE.
BRMU8700558 U2	20160329	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	TEXT : EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2343 DE 01-12-2015 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.

Title: **BUILDING** BLOCK

Abstract: Source: EP1498555A3 [DE] Ein Mauerstein (10) umfasst mindestens zwei Rohrstützen (30, 30'; 50, 50'), die in den Mauerstein eingegossen sind und sich senkrecht durch den Mauerstein (10) von der unteren Passflaeche (20; 42) bis zur oberen Passflaeche (18; 40) erstrecken, wobei ihr oberes Ende (32, 32'; 52, 52') jeweils aus der oberen Passflaeche hervorragt (18; 40), um auf derselben eine Verbindungsnope auszubilden, und ihr unteres Ende (34, 34'; 54, 54') jeweils buendig in die untere Passflaeche (20; 42) einmuetet um in derselben eine Aufnahmeoeffnung auszubilden, und diese Aufnahmeoeffnungen in der unteren Passflaeche (20; 42) komplementaer zu den Verbindungsnoepen der oberen (18; 40) Passflaeche sind.

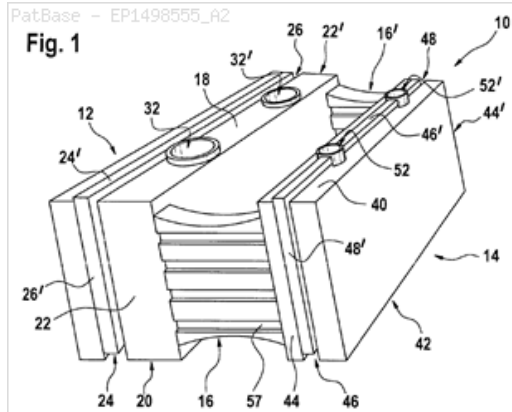
Classifications:

International (IPC 8-9): E04B2/18 E04C1/39 (Advanced/Invention);
E04B2/02 (Advanced/Non-invention);
E04B2/14 E04C1/00 (Core/Invention);
E04B2/02 (Core/Non-invention)

International (IPC 1-7): E04B2/00 E04B2/18

CPC: E04B2/18 E04B2002/0206 E04B2002/0228 E04C1/397

European: E04B2/18 E04C1/39C P04B2/02M1A P04B2/02M1G



Family:

Publication number	Publication date	Application number	Application date
EP1498555 A2	20050119	EP20040103144	20040702
EP1498555 A3	20060125	EP20040103144	20040702
LU91032 A2	20050105	LU20030091032	20030704

Priority:

LU20030091032 20030704

Probable Assignee: BERKMORTEL VAN DEN HUBERT

Assignee(s): (std): BERKMORTEL VAN DEN HUBERT ; VAN DEN BERKMORTEL HERR HUBERT

Inventor(s): (std): VAN DEN BERKMORTEL HERR HUBERT ; BERKMORTEL HUBERT VAN DEN ; HUBERT VAN DEN BERKMORTEL

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
EP1498555 A2	20050119	LSPB	+	published / reissued	
EP1498555 A3	20060927	LSFE	+AKX	DESIGNATION FEES PAID	
EP1498555 A3	20070523	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20060726
LU91032 A2	20050105	LSPB	+	published / reissued	

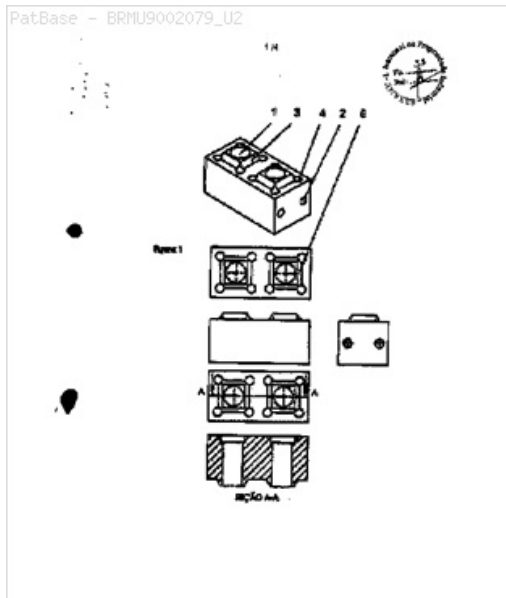
Title: tijolo estrutural autoencaixável com furaco horizontal/vertical para passagem das interligações hidráulicas e elétricas Brick structure with autoencaixável furaco horizontal / vertical movement of hydraulic and electrical interconnections (Machine translation)

Abstract: Source: BRMU9002079U [PT] TIJOLO ESTRUTURAL AUTOENCAIXÁVEL COM FURACO HORIZONTAL/VERTICAL PARA PASSAGEM DAS INTERLIGAÇÕES HIDRAULICAS E ELETRICAS. Patente de modelo de utilidade para um tijolo estrutural autoencaixável com furaco horizontal (2) e vertical (1) e (4) para passagem das interligações hidráulicas e elétricas de forma de **lego**, com alto valor agregado, capaz de inovar a forma do tijolo cerâmico atualmente comercializado, sendo que a patente requerida esta no projeto inovador de um tijolo que simplifica o seu assentamento, facilita a passagem nas interligações elétricas [(2), (4) e (5)] e hidráulicas (1), pois os caminhos utilizados para a passagem já estão presentes em sua estrutura. Incluindo também a inovação do orifício (5) para substituição da caixa de PVC 4x2, onde todas estas otimizações no modelo de utilidade concretizam características inovadoras no produto, visando a sustentabilidade ecológica no uso de rejeitos industriais, pois não é necessário realizar o rompimento do tijolo, sendo o resultado final, o Projeto tijolo estrutural autoencaixável com furaco horizontal (2) e vertical (1) e (4) para passagem das interligações hidráulicas e elétricas e um produto com base no modelo de utilidade capaz de melhorar a eficiência na construção civil reduzindo os custos na aplicação de materiais e mão de obra.

Machine translation: BRICK WITH STRUCTURAL AUTOENCAIXÁVEL FURACO HORIZONTAL / VERTICAL FOR PASSAGE OF HYDRAULIC AND ELECTRICAL interconnections. Utility model patent for a brick structure with hurricane autoencaixável horizontal (2) and vertical (1) and (4) for passage of hydraulic and electrical interconnections form of **lego**, with high added value, able to innovate the form of ceramic brick currently marketed, and the patent pending on this innovative project of a brick that simplifies your settlement, facilitates passage in electrical interconnections [(2), (4) and (5)] and hydraulic (1) because the paths used for the passage already are present in its structure. Including also innovation of the orifice (5) for replacement of PVC 4x2 box where all these optimizations in the utility model embodying innovative product features, aimed at ecological sustainability in the use of industrial waste, because not necessary realize the disruption of brick, with the end result, the Project autoencaixável structural brick with horizontal hurricane (2) and vertical (1) and (4) for passage of hydraulic and electrical interconnections and a product based on the utility model can improve the efficiency in the civil construction reducing costs in the application of materials and manpower.

Classifications:

International (IPC 8-9): E04C 1/39 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
BRMU9002079 U2	20130402	BR2010MU02079U	20100514

Priority:

BR2010MU02079U 20100514

Probable Assignee: MEURER LUCIANO OSMAR

Assignee(s): (std): WALTER ARLINDO ; MEURER LUCIANO OSMAR

Assignee(s): LUCIANO OSMAR MEURER ; ARLINDO WALTER

Inventor(s): (std): WALTER ARLINDO ; MEURER LUCIANO OSMAR

Inventor(s): LUCIANO OSMAR MEURER ; ARLINDO WALTER

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRMU9002079 U2	20130402	LSPB	B03A	PUBLICATION OF AN APPLICATION: PUBLICATION OF A PATENT APPLICATION OR OF A CERTIFICATE OF ADDITION OF INVENTION	
BRMU9002079 U2	20180814	LSFE	B08H	APPLICATION FEES: DECISION CANCELLED	
BRMU9002079 U2	20180821	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	

BRMU9002079 U2	20200526	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	TEXT : REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2485 DE 21/08/2018.
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Title: DEVICE FOR PRODUCING **BUILDING** BRICKS

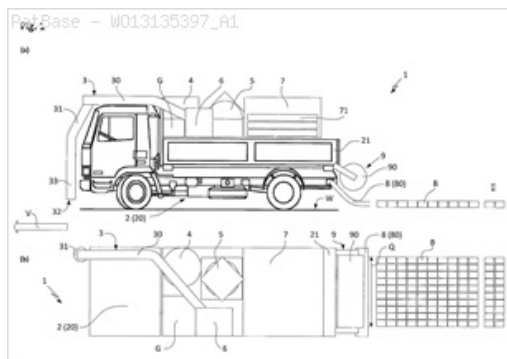
Abstract: The present invention relates to a device (1) for producing **building** bricks (B), having an intake device (3) for drawing in sand, a tank (4) for binder, a mixing device (5) which is connected to the intake device (3) and the tank (5), a press (7) for compressing the sand/binder mixture produced in the mixing device (5) to form **building** bricks (B), a set-down device (A) for setting down the **building** bricks (B), and a support (2), on which at least some of the device components are arranged, preferably at least the intake device (3), the mixing device (5), the press (7) and at least part of the set-down device (A). The device further has one or more of the following features: wherein the support (2) has a container (21), in which at least some of the device components are received, wherein a buffer tank (6) for the intermediate storage of sand is provided between the intake device (3) and the mixing device (5), wherein the device (1) further has a levelling device (8), by means of which the ground (W) surrounding the device (1) is levelled, preferably during the travel (V) of the device (1), in order to set down the finished **building** bricks (B), and wherein the **building** brick production device (1) has a pallet (10), on which the **building** bricks (B) are pressed, discharged and/or set down. The invention further relates to a vehicle (20) having the above-mentioned device (1).

Classifications:

International (IPC 8-9): B28B15/00 B28B3/02 B28C9/04 B60P3/14 C04B26/02 C04B26/16 (Advanced/Invention)

CPC: B28B3/02 B28B15/005 B28C9/0454 B28C9/049 B28B15/002 B60P3/14 Y02P40/63

European: B28B15/00A B60P3/14



Family:

Publication number	Publication date	Application number	Application date
DE202012002758 U1	20120628	DE201220002758U	20120316
WO13135397 A1	20130919	WO2013EP50364	20130110

Priority:

DE201220002758U 20120316

Probable Assignee: LUXIN GREEN PLANET WATER MAN AG

Assignee(s): (std): LUXIN GREEN PLANET AG ; LUXIN GREEN PLANET AG WATER MAN ; LUXIN GREEN PLANET WATER MAN AG

Assignee(s): LUXIN GREEN PLANET WATER MANAGEMENT AG ; LUXIN GREEN PLANET AG WATER MANAGEMENT

Inventor(s): (std): GLANZMANN ARTHUR ; GOSCHENHOFER MANFRED

Agent(s): KIWIT BENEDIKT

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE202012002758 U1	20120628	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202012002758 U1	20120628	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20120628
DE202012002758 U1	20151001	LSLE	-R156	LAPSE OF IP RIGHT AFTER 3 YEARS	
DE202012002758 U1	20220316	PEXP		Calculated Patent Term Expiry	
WO13135397 A1	20130919	LSPB	+	published / reissued	
WO13135397 A1	20150408	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 13700158 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: INTERLOCKING SPATIAL COMPONENTS

Abstract: The present invention relates generally to interlocking spatial components, and more particularly to spatial components having mating surfaces of uniform periodical structure comprising a regular array of interlocking connectors of the same shape allowing components to be arbitrarily interlocked along various relative directions, in various relative orientations, and upon various sides and to be assembled with one another to create spatial structures.

Classifications:

International (IPC 8-9): B32B3/06 B32B3/10 E04B1/02

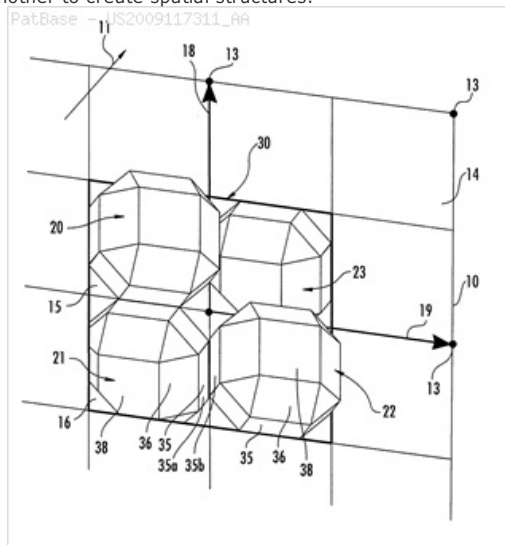
E04C1/00 (Advanced/Invention);

B32B3/06 B32B3/10 E04B1/02 (Core/Invention)

CPC: A63H33/08

European: A63H33/08

US: 428/44 428/44P 428/99 428/99S 52/592.1



Family:

Publication number	Publication date	Application number	Application date
US2009117311 AA	20090507	US20080268105	20081110
US8567149 BB	20131029	US20080268105	20081110
WO08127980 A1	20081023	WO2008US59894	20080410

Priority:

US20070911561P 20070413 US20070982860P 20071026 US20070990795P 20071128
 WO2008US59894 20080410 US20080268105 20081110

Probable Assignee: DAEDAL IP LLC

Assignee(s): (std): KUZMIN YEVGENIY PAVLOVICH ; MICROTH INC

Assignee(s): DAEDAL IP LLC

Inventor(s): (std): KUZMIN YEVGENIY PAVLOVICH

Agent(s): ALSTON AND BIRD LLP; GEGG CHRISTOPHER J ET AL

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 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 ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2009117311 AA	20090507	LSPB	+	published / reissued	
US2009117311 AA	20131009	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US8567149 BB	20131029	LSGT	+	granted / extensions (spc, cpc, pte)	
US8567149 BB	20081110	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MICROTH, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:KUZMIN, YEVGENIY PAVLOVICH; REEL/FRAME:021812/0081 EFFECTIVE DATE : 20081104
US8567149 BB	20131009	LSGT	PAT1	Patented Case	
US8567149 BB	20150619	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DAEDAL IP, LLC, FLORIDA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MICROTH, INC.; REEL/FRAME:035866/0747 EFFECTIVE DATE : 20150617

US8567149 BB	20170630	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8567149 BB	20320505	PEXP		Calculated Patent Term Expiry (PTA 1272 days)	
WO08127980 A1	20081023	LSPB	+	published / reissued	
WO08127980 A1	20091014	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	REF COUNTRY CODE : DE
WO08127980 A1	20100505	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 08745493 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: STELELEMENT, STELSYSTEEM EN WERKWIJZE VOOR HET STELLEN VAN EEN DRAAGELEMENT TEN OPZICHTE VAN EEN BOUWCONSTRUCTIE.

Abstract: Source: NL1036519C [NL] DE ONDERHAVIGE UITVINDING HEEFT BETREKKING OP EEN STELELEMENT VOOR HET STELLEN VAN EEN DRAAGELEMENT TEN OPZICHTE VAN EEN BOUWCONSTRUCTIE, OMVATTENDE: - EEN TUSSEN DE BOUWCONSTRUCTIE EN HET DRAAGELEMENT PLAATSBAAR PLAATVORMIG BASISLICHAAM MET EEN VOOR- EN ACHTERZIJDE; EN - TEN MINSTE EEN OP HET PLAATVORMIG BASISLICHAAM AANBRENG BAAR VOLG LICHAAM MET EEN VOOR- EN ACHTERZIJDE. VERDER HEEFT DE UITVINDING BETREKKING OP EEN STELSYSTEEM EN EEN STELWERKWIJZE VOOR HET STELLEN VAN EEN DRAAGELEMENT TEN OPZICHTE VAN EEN BOUWCONSTRUCTIE. DIT OCTROOI IS VERLEEND ONGEACHT HET BIJGEVOEGDE RESULTAAT VAN HET ONDERZOEK NAAR DE STAND VAN DE TECHNIEK EN SCHRIFTELIJKE OPINIE. HET OCTROOISCHRIFT WIJKT AF VAN DE OORSPRONKELIJK INGEDIENDE STUKKEN. ALLE INGEDIENDE STUKKEN KUNNEN BIJ NL OCTROOICENTRUM WORDEN INGEZIEN. **Machine translation:** THE PRESENT INVENTION RELATES TO A SET ELEMENT FOR THE ELEMENT OF A BEAR IN RESPECT OF A **BUILDING** CONSTRUCTION, comprising: - a BETWEEN CONSTRUCTION AND WEAR ELEMENT placeable BASE PLATE SHAPED BODY WITH A FRONT AND BACK; AND - AT LEAST ONE ON THE PLATE SHAPED BASE BODY APPLY BAAR FULL BODY WITH A FRONT AND BACK . ALSO HAS THE INVENTION RELATES TO A SET SYSTEM AND POSE METHOD OF A WEAR ELEMENT IN RELATION TO THE CONSTRUCTION. THIS PATENT GRANTED IN ANY ACCOMPANYING THE RESULT OF THE EXAMINATION OF THE PRIOR ART AND WRITTEN OPINION. The patent differs from the ORIGINAL DOCUMENTS SUBMITTED. ALL SUBMITTED DOCUMENTS MAY BE SEE with NL Patent Office.

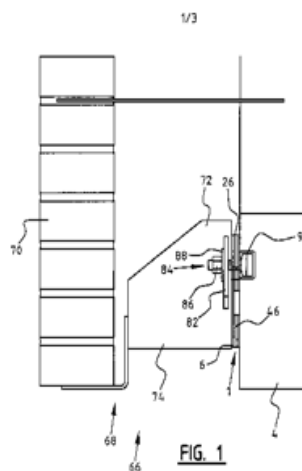
Classifications:

International (IPC 8-9): E04F13/08 F16B43/00 (Advanced/Invention)

CPC: E04F13/0857 E04C2003/023 F16B5/0233 F16B43/005 F16B43/009

European: E04F13/08B3C

PatBase - NL1036519_C



Family:

Publication number	Publication date	Application number	Application date
NL1036519 C	20100809	NL20091036519	20090205
NL1036519 C2	20100809	NL20091036519	20090205

Priority:

NL20091036519 20090205

Probable Assignee:

VEBO STAAL BV

Assignee(s): (std):

VEBO STAAL B V ; VEBO STAAL BV

Inventor(s): (std):

AALSBURG REINIER

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
NL1036519 C	20100809	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1036519 C	20290205	PEXP		Calculated Patent Term Expiry	
NL1036519 C2	20100809	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1036519 C2	20290205	PEXP		Calculated Patent Term Expiry	

Title: BLAST PROTECTED UNIT AND SYSTEM

Abstract: A blast protected unit (100) for blast protection comprises: a protecting panel (14) having a first side (7) and a second side (8); a sub-frame (16) adapted to circumscribe said protecting panel (14); and a plurality of energy absorption units (30). The absorption units (30) are adapted to connect the sub-frame (16) to the protecting panel (14). Each of the energy absorption units (30) is connectable to the protecting panel (14) and the sub-frame (16), such that the aforementioned blast protected unit (100) is formed. The energy absorption units (30) are configured to deform under a blast force applied against the first side (7) of the protecting panel (14), allowing the protecting panel (14) to move away from and remain in proximity to the sub-frame (16). The blast protected unit (100) is adapted to be connected to a **building** structure, such that a protection from blasts is provided to the internal portion of said **building** structure, the internal portion being located at the second side (8) of the protecting panel (14).

Classifications:

International (IPC 8-9): E04H E04H3/10 E04H9/04 E04H9/10

E04H9/14 F41H11/00 F41H5/02 F41H5/04

F41H5/24 (Advanced/Invention);

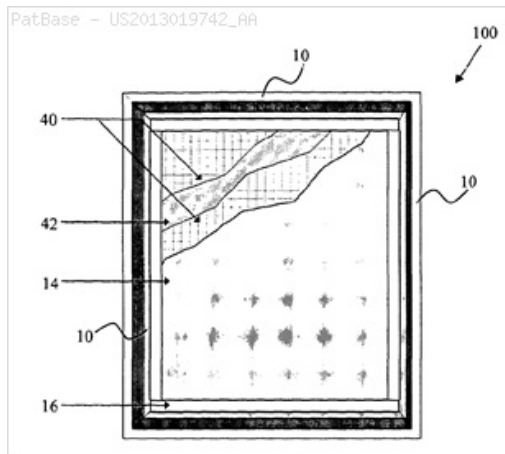
E04H (Subclass/Invention)

CPC: E04B1/34321 E04B2001/34389 E04H9/06 E04H9/10 F42D5/045

European: E04B1/343C1 E04H9/06 E04H9/10 F42D5/045

P04B1/343P

US: 89/36.02 89/904 89/920

**Family:**

Publication number	Publication date	Application number	Application date
AU2011214181 AA	20110818	AU20110214181	20110210
AU2011214181 AA	20120920	AU20110214181	20110210
BR112012020435 A2	20170301	BR20121120435	20110210
CA2789520 AA	20110818	CA20112789520	20110210
CN102947523 A	20130227	CN201180018369	20110210
CO6630118 A2	20130301	CO20120157452	20120913
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EP2536900 A2	20121226	EP20110705650	20110210
IN02578KN2012 A	20141121	IN2012KN02578	20120910
JP2013519809 T2	20130530	JP20120552461T	20110210
KR20130006439 A	20130116	KR20127023047	20110210
MX2012009488 A1	20130411	MX20120009488	20110210
RU2012137950 A	20140327	RU20120137950	20110210
US2013019742 AA	20130124	US20110578545	20110210
WO11098764 A2	20110818	WO2011GB00177	20110210
WO11098764 A3	20120705	WO2011GB00177	20110210
ZA201206446 A	20130626	ZA20120006446	20120828

Priority:

US20100304579P 20100215 US20100304586P 20100215 US20110578545 20110210
WO2011GB00177 20110210

Probable Assignee: GLOBAL OWL LTD

Assignee(s): (std): EYTAN ALEX ; GLOBAL OWL LTD ; LECARPENTIER PHILIPPE

Assignee(s): GLOBAL OWL LIMITED

Inventor(s): (std): PHILIPPE LECARPENTIER ; ALEX EYTAN ; LECARPENTIER PHILIPPE ; EYTAN ALEX ; LECARPENTIER PHILIPPE

Agent(s): BALDWIN'S INTELLECTUAL PROPERTY; HILL AND SCHUMACHER; LUIS FELIPE CASTILLO GIBSON; JAEGER MICHAEL DAVID; MIYOSHI HIDEKAZU; JAEGER MICHAEL

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 RO RS RU 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2011214181 AA	20110818	LSPB	+	published / reissued	
AU2011214181 AA	20120920	LSPB	+	published / reissued	
AU2011214181 AA	20150903	LSLE	-MK4	APPLICATION LAPSED SECTION 142(2)(D) - NO CONTINUATION FEE PAID FOR THE APPLICATION	

AU2011214181 AA	20150903	LSLE	-MK4	APPLICATION LAPSED SECTION 142(2)(D) - NO CONTINUATION FEE PAID FOR THE APPLICATION	
BR112012020435 A2	20170307	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	
BR112012020435 A2	20170620	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	
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CA2789520 AA	20160323	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20160210
CN102947523 A	20130227	LSPB	+	published / reissued	
CN102947523 A	20130227	LSPB	+C06	PUBLICATION	
CN102947523 A	20150527	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
CO6630118 A2	20130301	LSPB	+	published / reissued	
CO6630118 A2	20140408	LSRV	-FC	APPLICATION REFUSED	
EA201290758 A1	20130530	LSPB	+	published / reissued	
EP2536900 A2	20121226	LSPB	+	published / reissued	
EP2536900 A2	20121226	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20120906
EP2536900 A2	20150128	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20150106
EP2536900 A2	20160309	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20150901
IN02578KN2012 A	20141121	LSPB	+	published / reissued	
JP2013519809 T2	20130530	LSPB	+	published / reissued	
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JP2013519809 T2	20150729	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20150728
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MX2012009488 A1	20130411	LSPB	+	published / reissued	
MX2012009488 A1	20181130	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
RU2012137950 A	20140327	LSPB	+	published / reissued	
RU2012137950 A	20140410	LSWD	-FA93	ACKNOWLEDGEMENT OF APPLICATION WITHDRAWN (NO REQUEST FOR EXAMINATION)	EFFECTIVE DATE : 20140211
US2013019742 AA	20130124	LSPB	+	published / reissued	
US2013019742 AA	20121008	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GLOBAL OWL LIMITED, GIBRALTAR OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LECARPENTIER, PHILIPPE; EYTAN, ALEX; REEL/FRAME:029089/0081 EFFECTIVE DATE : 20120824

US2013019742 AA	20150713	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
WO11098764 A2	20110818	LSPB	+	published / reissued	
WO11098764 A2	20110210	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180018369.X COUNTRY OF REF DOCUMENT : CN
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WO11098764 A3	20120816	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	REF COUNTRY CODE : DE
WO11098764 A3	20120830	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011214181 COUNTRY OF REF DOCUMENT : AU
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WO11098764 A3	20120906	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011705650 COUNTRY OF REF DOCUMENT : EP
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WO11098764 A3	20120920	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2011214181 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110210 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
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WO11098764 A3	20170301	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 112012020435 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20120815
ZA201206446 A	20130626	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA201206446 A	20320827	PEXP		Calculated Patent Term Expiry	

Title: INTERLOCKING CONSTRUCTION BLOCKS AND METHODS FOR USING THEM

Abstract: A prefabricated interlocking **building** block is used in the construction of structures. The block is composed of a material comprising polyvinyl chloride and is substantially hollow, with a density of not more than 10 lbs. per cubic foot.

Classifications:

International (IPC 8-9): A63H33/00 E04B2/18 E04B2/26

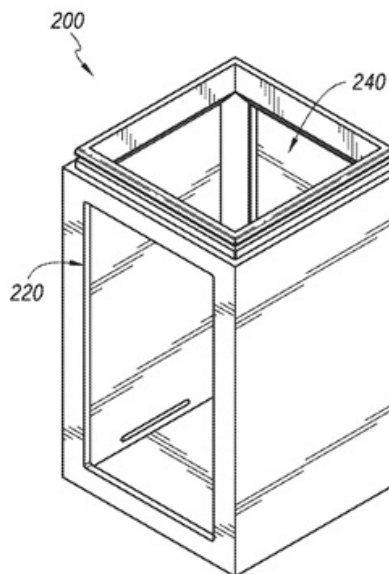
E04C1/41 (Advanced/Invention);

A63H33/06 A63H33/08 E04B2/02 E04B2/16 (Advanced/Non-invention)

CPC: E04B2/18 E04B2/16 A63H33/008 E04B2/26 E04B2002/0208 E04C1/41

US: 1/1 52/405.2 52/405.2

PatBase - US2018347187_AA



Family:

Publication number	Publication date	Application number	Application date
US2018347187 AA	20181206	US20170614830	20170606
US2018347188 AA	20181206	US20180004344	20180609
US2019211548 AA	20190711	US20190359704	20190320

Priority:

US20170614830 20170606 US20180004344 20180609 US20190359704 20190320

Probable Assignee: PARKS RYAN STEED

Assignee(s): (std): PARKS RYAN STEED ; THURSTON RICK B ; THURSTON RICK BRENT ; THURSTON RICK BRETT

Inventor(s): (std): PARKS RYAN STEED ; THURSTON RICK BRENT ; THURSTON RICK BRETT ; THURSTON RICK B

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2018347187 AA	20181206	LSPB	+	published / reissued	
US2018347187 AA	20190527	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2018347188 AA	20181206	LSPB	+	published / reissued	
US2018347188 AA	20190527	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2019211548 AA	20190711	LSPB	+	published / reissued	
US2019211548 AA	20191126	LSES	NFA1	Non Final Action Mailed	

Title: Brick-work

Abstract: Source: DE29807665U1 [DE] (Claim 1) • • Dip l. - I ng j H ei n k e Tarige · ¹ European Patent Attorney
Patentanwaeltin Dip l. - I ng. H e inke Lange · Fab r i k ze U e 21 · 95028 Hof Deutsches Patentamt Zweibrueckenstrasse 12
80331 MuenchenHof, 27.

Machine translation: (Claim 1) • • Dip l. - I ng j H egg n k e Tarige · ¹ European patent Attorney patent attorney Dip l. - I
ng. H e inke is enough · Fab r i k CPU U e 21 · 95028 yard German patent office two-bridging route 12 80331 Munich yard,
27.

Classifications:

International (IPC 8-9): E04B2/08 (Advanced/Invention);

E04B2/02 (Advanced/Non-invention);

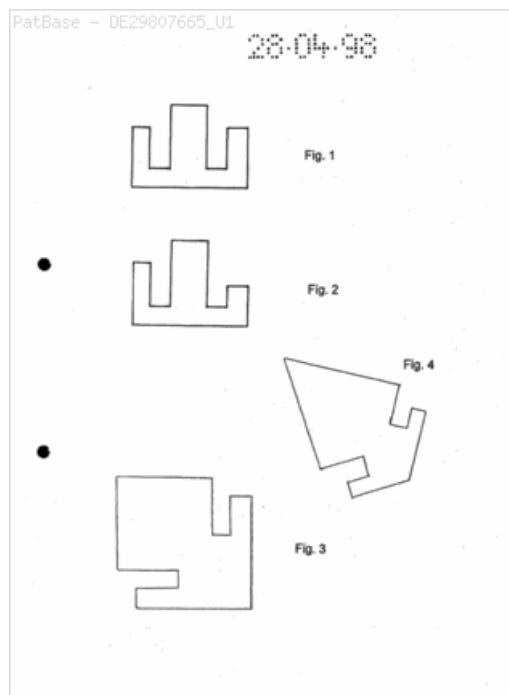
E04B2/04 (Core/Invention);

E04B2/02 (Core/Non-invention)

International (IPC 1-7): E04B2/08

CPC: E04B2/08 E04B2002/0206 E04B2002/0263

European: E04B2/08 P04B2/02M1A P04B2/02N3



Family:

Publication number	Publication date	Application number	Application date
DE29807665 U1	19980910	DE19982007665U	19980428

Priority:

DE19982007665U 19980428

Probable Assignee: KETTERL ELFRIEDE

Assignee(s): (std): KETTERL ELFRIEDE

Assignee(s): KETTERL ELFRIEDE 95478 KEMNATH DE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE29807665 U1	19980910	LSGT	+	granted / extensions (spc, cpc, pte)	
DE29807665 U1	19980428	LSLI	R086	NON-BINDING DECLARATION OF LICENSING INTEREST	
DE29807665 U1	19980910	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 19980910
DE29807665 U1	20020627	LSLE	-R156	LAPSE OF IP RIGHT AFTER 3 YEARS	EFFECTIVE DATE : 20020201
DE29807665 U1	20080428	PEXP		Calculated Patent Term Expiry	

Title: TITANIUM DIOXIDE PHOTOCATALYST CONTAINING CARBON AND METHOD FOR ITS PRODUCTION

Abstract: The invention relates to a titanium dioxide-based photocatalyst containing carbon that is highly photoactive in visible light (vlp-TiO₂) and to a method of manufacture. The vlp-TiO₂ is manufactured by mixing a fine grained titanium compound (BET greater than or equal to 50 m²/g) with an organic carbon compound and subsequent thermal treatment at temperatures up to 350 degrees centigrade. The carbon content amounts to 0.05 to 4 percent by weight, preferably 0.4 to 0.8 percent by weight. The product is characterized by an ESR spectrum which displays only one significant signal in the g value range from 1.97 to 2.05 at g about 2.003. The inventive photocatalyst can be used for to degrade contaminants and pollutants in liquids and gases.

Classifications:

International (IPC 8-9): B01D53/86 B01D53/94 B01J B01J21/06 B01J21/18 B01J23/00 B01J27/20 B01J35/00 B01J35/02 B01J35/10 B01J37/00 B01J37/04 B01J37/06 B01J37/08 B05D7/00 C01G C01G23/047 C04B24/02 C04B24/04 C04B35/46 C08K5/053 C08K5/092 C09C C09C1/36 C09K3/00 (Advanced/Invention); B01J21/06 B01J35/00 B01J37/34 B05D7/00 C01G23/047 C02F1/28 C02F1/30 C02F1/32 C02F1/72 (Advanced/Non-invention); B01D53/86 B01D53/94 B01J21/00 B01J23/00 B01J27/20 B01J35/00 B01J37/00 B05D7/00 C01G23/00 C09C1/00 C09C1/36 (Core/Invention); B05D7/00 C02F1/28 C02F1/30 C02F1/32 C02F1/72 (Core/Non-invention); B01J C01G C09C (Subclass/Invention)

International (IPC 1-7): B01J21/00 B01J21/06 B01J21/18 B01J35/00 B01J37/08 B01J37/34 C01G23/047 C02F1/72 C09C1/36 C22C14/00

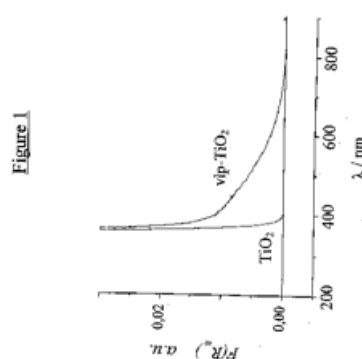
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European: B01J21/06T B01J35/00D4 B01J35/00D6 B01J37/08B2 B82Y30/00 C01G23/047 C09C1/36D8 L01J37/34B4 M01P2/30 M01P2/54 M01P2/72 M01P2/86 M01P4/04 M01P4/64 M01P6/12 M01P6/62 M01P6/63 M01P6/64 M02F1/28D M02F1/32 M02F1/72K M02F305/10

US: 106/447 106/802 106/810 252/182.33 420/417 420/417P 423/445.00R 423/445R 423/610 423/614 427/215 428/221 501/134 502/100 502/182 502/349 502/350 524/321 524/387

PatBase - US2005226761_AA

Patent Application Publication Oct. 13, 2005 Sheet 1 of 11 US 2005/0226761 A1

**Family:**

Publication number	Publication date	Application number	Application date
BRPI0509767 A	20071016	BR2005PI09767	20050406
BRPI0509767 B1	20150915	BR2005PI09767	20050406
CN1930250 A	20070314	CN200580007860	20050406
CN1930250 B	20110518	CN200580007860	20050406
DE102004027549 A1	20051027	DE200410027549	20040604
DE202004005677 U1	20050519	DE200420005677U	20040407
DK2100927 T3	20161205	DK20050008230T	20050406
EP1732992 A1	20061220	EP20050769797	20050406
EP2100927 A1	20090916	EP20090008230	20050406
EP2100927 B1	20160817	EP20090008230	20050406
ES2602587 T3	20170221	ES20090008230T	20050406
HK1104569 A1	20080118	HK20070109756	20070907
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IN01031MN2006 A	20070420	IN2006MN01031	20060830
IN224168 B	20090206	IN2006MN01031	20060830
JP2007532287 T2	20071115	JP20070506713T	20050406
JP4971135 B2	20120711	JP20070506713T	20050406
KR101124196 B1	20120328	KR20067020834	20050406
KR20070039872 A	20070413	KR20067020834	20050406
MY143514 A	20110531	MY20050001533	20050405
PL2100927 T3	20170228	PL20090008230T	20050406
PT2100927 T	20161114	PT20090008230T	20050406
RU2006139088 A	20080520	RU20060139088	20050406
RU2380318 C2	20100127	RU20060139088	20050406
SI2100927 T1	20170131	SI20050032111	20050406
TR201615690 T4	20161221	TR20160015690T	20050406
TW200533601 A	20051016	TW20050110845	20050406
TWI374168 B	20121011	TW20050110845	20050406
UA90270 C2	20100426	UA20060011666	20050406
US2005226761 AA	20051013	US20050096299	20050401
US2005227854 AA	20051013	US20050095817	20050401
US2012270028 AA	20121025	US20090427078	20090421
US7524793 BB	20090428	US20050095817	20050401
US7615512 BB	20091110	US20050096299	20050401
WO05108505 A1	20051117	WO2005EP03601	20050406
ZA200606740 A	20080227	ZA20060006740	20060814

Priority:

DE200410005677 20040407

DE200410017565 20040407

DE200420005677U 20040407

DE200410027549 20040604 US20050095817 20050401 EP20050769797 20050406
EP20090008230 20050406 WO2005EP03601 20050406 US20090427078 20090421

Probable Assignee: KRONOS INT INC

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Assignee(s): KRONOS INT ; KRONOS INTERNATIONAL INC

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Inventor(s): KISCH HORST PROF ; S SAKTHIEVEL ; JURGEN ORTH GERBER ; SAKTHIVEL SANMUGASUNDARAM ; SSAKTHIEVEL ; SAKTKHIVEL' SHANMUGASUNDARAM ; PROF DR HORST KISCH ; DR JUERGEN ORTH GERBER ; DR SHANMUGASUNDARAM SAKTHIVEL ; ORTH GERBER JUERGEN KISCH HORST SAKTHIVEL ; ORTH GERBER JUERGEN KISCH HORST SAKTHIVEL SHANMUGA ; ORT-GERBER JJURGEN

Agent(s): DE ELZABURU ALBERTO; CLT PATENT AND TRADEMARK HK LTD; CEREN AYYUERERK; RODNEY T HODGSON PHD; HODGSON RODNEY T; RODNEY T

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 KM 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRPI0509767 A	20071016	LSPB	+	published / reissued	
BRPI0509767 A	20150811	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0509767 B1	20150915	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	TEXT : PRAZO DE VALIDADE: 10 (DEZ) ANOS CONTADOS A PARTIR DE 15/09/2015, OBSERVADAS AS CONDICICOES LEGAIS.
BRPI0509767 B1	20250915	PEXP		Calculated Patent Term Expiry	
CN1930250 A	20070314	LSPB	+	published / reissued	
CN1930250 A	20070314	LSPB	+C06	PUBLICATION	
CN1930250 B	20110518	LSGT	+	granted / extensions (spc, cpc, pte)	
CN1930250 B	20110518	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN1930250 B	20250406	PEXP		Calculated Patent Term Expiry	
DE102004027549 A1	20051027	LSPB	+	published / reissued	
DE102004027549 A1	20051027	LSES	+OM8	SEARCH REPORT AVAILABLE AS TO PARAGRAPH 43 LIT. 1 SENTENCE 1 PATENT LAW	
DE102004027549 A1	20110428	LSES	+8110	REQUEST FOR EXAMINATION PARAGRAPH 44	
DE102004027549 A1	20110428	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	EFFECTIVE DATE : 20110210
DE102004027549 A1	20171113	LSRV	-R002	REFUSAL DECISION IN EXAMINATION/REGISTRATION PROCEEDINGS	
DE102004027549 A1	20171219	LSRV	-R003	REFUSAL DECISION NOW FINAL	
DE202004005677 U1	20050519	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202004005677 U1	20040708	LSDW	-R123	APPLICATION DEEMED WITHDRAWN DUE TO NON-PAYMENT OF FILING FEE	
DE202004005677 U1	20050623	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20050623
DE202004005677 U1	20080214	LSLE	-R156	LAPSE OF IP RIGHT AFTER 3 YEARS	EFFECTIVE DATE : 20071101
DE202004005677 U1	20140407	PEXP		Calculated Patent Term Expiry	
DK2100927 T3	20161205	LSGT	+	granted / extensions (spc, cpc, pte)	
DK2100927 T3	20250406	PEXP		Calculated Patent Term	

Expiry					
EP1732992 A1	20061220	LSPB	+	published / reissued	
EP1732992 A1	20061220	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20061013
EP1732992 A1	20070228	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20070125
EP1732992 A1	20160330	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20160302
EP1732992 A1	20170104	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20160713
EP2100927 A1	20090916	LSPB	+	published / reissued	
EP2100927 A1	20091118	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20091002
EP2100927 A1	20091202	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20091029
EP2100927 A1	20160330	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20160304
EP2100927 B1	20160817	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2100927 B1	20160817	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2100927 B1	20160831	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2100927 B1	20160907	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
EP2100927 B1	20160915	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 821084 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20160915
EP2100927 B1	20160929	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 502005015334 COUNTRY OF REF DOCUMENT : DE
EP2100927 B1	20161227	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2100927 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160817
EP2100927 B1	20170221	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2602587 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20170221

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EP2100927 B1	20170313	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 13
EP2100927 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160817
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EP2100927 B1	20170518	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 502005015334 COUNTRY OF REF DOCUMENT : DE
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EP2100927 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 13
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				NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	DOCUMENT : CZ PAYMENT DATE : 20170314 YEAR OF FEE PAYMENT : 13
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EP2100927 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20170410 YEAR OF FEE PAYMENT : 13
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EP2100927 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170405 YEAR OF FEE PAYMENT : 13
EP2100927 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20170404 YEAR OF FEE PAYMENT : 13
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EP2100927 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170420 YEAR OF FEE PAYMENT : 13
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EP2100927 B1	20180315	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 14
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				NATIONAL OFFICE TO EPO]	YEAR OF FEE PAYMENT : 14
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EP2100927 B1	20190628	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20190412 YEAR OF FEE PAYMENT : 15
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EP2100927 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20190410 YEAR OF FEE PAYMENT : 15
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EP2100927 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20160817
EP2100927 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20190325 YEAR OF FEE PAYMENT : 15
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EP2100927 B1	20200630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20200312 YEAR OF FEE PAYMENT : 16
EP2100927 B1	20250406	PEXP		Calculated Patent Term Expiry	
ES2602587 T3	20170221	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2602587 T3	20250406	PEXP		Calculated Patent Term Expiry	
HK1104569 A1	20080118	LSPB	+	published / reissued	
HK1104569 A1	20270907	PEXP		Calculated Patent Term Expiry	
HK1104569 A3	20080118	LSPB	+	published / reissued	
HK1104569 B	20120210	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1104569 B	20270907	PEXP		Calculated Patent Term Expiry	
IN01031MN2006 A	20070420	LSPB	+	published / reissued	
IN224168 B	20090206	LSGT	+	granted / extensions (spc, cpc, pte)	
IN224168 B	20260830	PEXP		Calculated Patent Term Expiry	
JP2007532287 T2	20071115	LSPB	+	published / reissued	
JP2007532287 T2	20080117	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20080116
JP2007532287 T2	20110317	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20110316
JP2007532287 T2	20110916	LSRE	A524	WRITTEN SUBMISSION OF COPY OF AMENDMENT UNDER SECTION 19 (PCT)	TEXT : JAPANESE INTERMEDIATE CODE: A524 EFFECTIVE DATE : 20110915
JP2007532287 T2	20111021	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20111020
JP2007532287 T2	20120111	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120110
JP2007532287 T2	20120229	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2007532287 T2	20120308	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE :

				(UTILITY MODEL)	20120307
JP2007532287 T2	20120315	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2007532287 T2	20120412	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20120405
JP2007532287 T2	20120413	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP2007532287 T2	20120413	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2007532287 T2	20120413	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 4971135 COUNTRY OF REF DOCUMENT : JP
JP4971135 B2	20120711	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4971135 B2	20120410	LSFE	R100	特許料納付書 (Patent fee payment form)	TEXT : 51200751284 EFFECTIVE DATE : 20120405
JP4971135 B2	20120410	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP4971135 B2	20150402	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4971135 B2	20150402	LSFE	R20	特許料納付書 (Patent fee payment form)	TEXT : 51500641948 EFFECTIVE DATE : 20150327
JP4971135 B2	20150407	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4971135 B2	20160407	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4971135 B2	20160407	LSFE	R20	特許料納付書 (Patent fee payment form)	TEXT : 51600664540 EFFECTIVE DATE : 20160401
JP4971135 B2	20160412	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4971135 B2	20170330	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4971135 B2	20170330	LSFE	R20	特許料納付書 (Patent fee payment form)	TEXT : 51700658519 EFFECTIVE DATE : 20170327
JP4971135 B2	20170404	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4971135 B2	20180329	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4971135 B2	20180329	LSFE	R20	特許料納付書 (Patent fee payment form)	TEXT : 51800631949 EFFECTIVE DATE : 20180327
JP4971135 B2	20180403	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4971135 B2	20190328	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4971135 B2	20190328	LSFE	R20	特許料納付書 (Patent fee payment form)	TEXT : 51900650003 EFFECTIVE DATE : 20190327
JP4971135 B2	20190402	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250

JP4971135 B2	20200330	LSFE	R20	特許料納付書 (Patent fee payment form)	EFFECTIVE DATE : 20200327
JP4971135 B2	20200330	LSFE	R20	特許料納付書 (Patent fee payment form)	TEXT : 52000654778 EFFECTIVE DATE : 20200327
JP4971135 B2	20200331	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4971135 B2	20250406	PEXP		Calculated Patent Term Expiry	
KR101124196 B1	20120328	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101124196 B1	20150130	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20150130 YEAR OF FEE PAYMENT : 4
KR101124196 B1	20160127	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20160127 YEAR OF FEE PAYMENT : 5
KR101124196 B1	20170201	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20170201 YEAR OF FEE PAYMENT : 6
KR101124196 B1	20180201	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20180201 YEAR OF FEE PAYMENT : 7
KR101124196 B1	20190129	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20190129 YEAR OF FEE PAYMENT : 8
KR101124196 B1	20250406	PEXP		Calculated Patent Term Expiry	
KR20070039872 A	20070413	LSPB	+	published / reissued	
KR20070039872 A	20100405	LSSES	A201	REQUEST FOR EXAMINATION	
KR20070039872 A	20120201	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20070039872 A	20120229	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
MY143514 A	20110531	LSGT	+	granted / extensions (spc, cpc, pte)	
MY143514 A	20250405	PEXP		Calculated Patent Term Expiry	
PL2100927 T3	20170228	LSGT	+	granted / extensions (spc, cpc, pte)	
PT2100927 T	20161114	LSGT	+	granted / extensions (spc, cpc, pte)	
PT2100927 T	20250406	PEXP		Calculated Patent Term Expiry	
RU2006139088 A	20080520	LSPB	+	published / reissued	
RU2380318 C2	20100127	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2380318 C2	20250406	PEXP		Calculated Patent Term Expiry	
SI2100927 T1	20170131	LSGT	+	granted / extensions (spc, cpc, pte)	
SI2100927 T1	20250406	PEXP		Calculated Patent Term Expiry	
TR201615690 T4	20161221	LSGT	+	granted / extensions (spc, cpc, pte)	
TR201615690 T4	20250406	PEXP		Calculated Patent Term Expiry	
TW200533601 A	20051016	LSPB	+	published / reissued	
TWI374168 B	20121011	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI374168 B	20250406	PEXP		Calculated Patent Term Expiry	
UA90270 C2	20100426	LSGT	+	granted / extensions (spc, cpc, pte)	
UA90270 C2	20250406	PEXP		Calculated Patent Term Expiry	
US2005226761 AA	20051013	LSPB	+	published / reissued	
US2005226761 AA	20091021	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

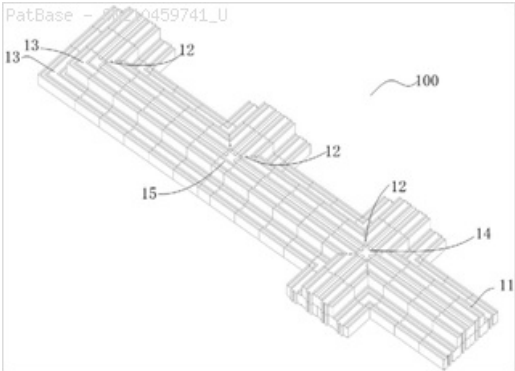
US2005227854 AA	20051013	LSPB	+	published / reissued	
US2005227854 AA	20090408	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2012270028 AA	20121025	LSPB	+	published / reissued	
US2012270028 AA	20130806	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US7524793 BB	20090428	LSGT	+	granted / extensions (spc, cpc, pte)	
US7524793 BB	20050401	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KRONOS INTERNATIONAL INC., GERMANY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:ORTH-GERBER, JURGEN; KISCH, HORST; REEL/FRAME:016442/0472; SIGNING DATES FROM 20050314 TO 20050316
US7524793 BB	20090408	LSGT	PAT1	Patented Case	
US7524793 BB	20120926	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7524793 BB	20161013	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7524793 BB	20260727	PEXP		Calculated Patent Term Expiry (PTA 482 days)	
US7615512 BB	20091110	LSGT	+	granted / extensions (spc, cpc, pte)	
US7615512 BB	20050401	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KRONOS INTERNATIONAL INC., GERMANY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:ORTH-GERBER, JURGEN; KISCH, HORST; REEL/FRAME:016453/0172; SIGNING DATES FROM 20050314 TO 20050316
US7615512 BB	20091021	LSGT	PAT1	Patented Case	
US7615512 BB	20130307	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7615512 BB	20170427	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7615512 BB	20260531	PEXP		Calculated Patent Term Expiry (PTA 425 days)	
WO05108505 A1	20051117	LSPB	+	published / reissued	
WO05108505 A1	20060814	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200606740 COUNTRY OF REF DOCUMENT : ZA
WO05108505 A1	20060814	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2006/06740 COUNTRY OF REF DOCUMENT : ZA
WO05108505 A1	20060830	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1031/MUMNP/2006 COUNTRY OF REF DOCUMENT : IN
WO05108505 A1	20060911	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200580007860.7 COUNTRY OF REF DOCUMENT : CN
WO05108505 A1	20061004	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020067020834 COUNTRY OF REF DOCUMENT : KR
WO05108505 A1	20061010	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007506713 COUNTRY OF REF DOCUMENT : JP
WO05108505 A1	20061012	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2005769797 COUNTRY OF REF DOCUMENT : EP

WO05108505 A1	20061107	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2006139088 COUNTRY OF REF DOCUMENT : RU
WO05108505 A1	20061220	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2005769797 COUNTRY OF REF DOCUMENT : EP
WO05108505 A1	20070413	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1020067020834 COUNTRY OF REF DOCUMENT : KR
WO05108505 A1	20071016	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : PI0509767 COUNTRY OF REF DOCUMENT : BR
ZA200606740 A	20080227	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA200606740 A	20260813	PEXP		Calculated Patent Term Expiry	

Title: Base tile assembly (Machine translation)

Abstract: Source: CN210459741U **Machine translation:** The utility model relates to the field of **building** technology, in particular to a base tile assembly, including brick foundation, on the basis of brick spaced on the surface of the first and the second tenon tenon, the first tenon is located in the middle of the upper surface of the second tenon is located in the first tenon on both sides, and the two outermost second tenon located on both edges of the surface, the lower surface of the base tile body corresponding first tenon, the second tenon Location Set to work with the first, the second tenon mortise tenon tongue and groove of the first and second tongue and groove. So the basis of brick **masonry** barrier system process as the fight inserted **LEGO** bricks, avoid the use of mortar, reducing on-site wet work and **building** construction waste, construction convenient, thereby improving the flexibility of the base tile **building** and construction efficiency, standardized base tile full size system can accommodate various sizes of various **buildings** needs, factory product production improve product quality while greatly reducing the cost.

Classifications:
International (IPC 8-9): E02D27/01 E04C1/00
E04C1/39 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN210459741 U	20200505	CN201921129093U	20190717

Priority:

CN201921129093U 20190717

Probable Assignee: GOLD POINT STONE BEIJING ARCHITECTURAL DESIGN CONSULTING SERVICES LIABILITY CO LTD

Assignee(s): GOLD POINT STONE BEIJING ARCHITECTURAL DESIGN CONSULTING SERVICES LIABILITY CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN210459741 U	20200505	LSGT	+	granted / extensions (spc, cpc, pte)	
CN210459741 U	20200505	LSGT	+GR01	PATENT GRANT	
CN210459741 U	20290717	PEXP		Calculated Patent Term Expiry	

Title: AQUEOUS COMPOSITIONS HAVING POLYALKOXYLATES FOR IMPROVED OPEN TIME

Abstract: The present invention provides aqueous compositions that provide improved open time, the compositions comprising (i) an aqueous polymer composition of one or more emulsion polymers, one or more aqueous dispersion polymers, or mixtures thereof, preferably, a vinyl or acrylic emulsion polymer, and (ii) from 0.1 to 5 weight percent, based on the total weight of solids in the composition, one or more polyalkoxylates having from 2 to 15 polyalkoxylate chains and an ethylene oxide (EO) content ranging from 20 to 70 weight percent, based on the total weight of polyalkoxylate solids in the composition. The compositions are useful in high solids or fast drying compositions such as coatings and non-cementitious mortars.

Classifications:

International (IPC 8-9): C01B25/00 C04B16/04 C04B26/02 C08F14/00 C08F16/06 C08F2/18 C08F2/20 C08F2/22 C08J3/03 C08K5/06 C08L101/00 C08L33/00 C08L33/06 C08L71/02 C09D11/00 C09D133/08 C09D133/12 C09D135/06 C09D171/02 C09D4/00 C09D4/06 C09D5/00 C09D5/02 C09D5/22 C09D7/12 C09D7/61 C09D7/63 C09D7/65 (Advanced/Invention); C08K13/02 (Advanced/Non-invention)

International (IPC 1-7): C04B16/04 C04B26/02 C08F14/00 C08F16/06 C08F2/18 C08F2/20 C08F2/22 C08L33/00 C09D11/00 C09D4/00 C09D4/06 C09D5/02

CPC: C09D133/12 C08K13/02 C08L71/02 C08L2205/025 C08L2205/035 C09D133/08 C04B16/04 C04B26/02 C08F2/18 C08F2/20 C08F2/22 C08F14/00 C08F16/06 C08L33/00 C09D4/00 C09D4/06 C09D5/022 C09D11/00 C08L33/06 C08L2201/52 C09D5/02 C09D7/61 C09D7/63 C09D7/65 C09D5/00

US: 1/1 524/186

Family:

Publication number	Publication date	Application number	Application date
BR102017005508 A2	20171205	BR20171005508	20170317
CA2960249 AA	20170928	CA20172960249	20170307
CN107236400 A	20171010	CN201710140147	20170310
EP3225668 A1	20171004	EP20170163059	20170327
IN201714008285 A	20171020	IN201714008285	20170309
MX2017003410 A1	20180815	MX20170003410	20170315
US2017275490 AA	20170928	US20170467326	20170323
US10214659 BB	20190226	US20170467326	20170323

Priority:

US20160314024P 20160328 US20170467326 20170323

Probable Assignee: DOW GLOBAL TECHNOLOGIES LLC

Assignee(s): (std): DOW GLOBAL TECH LLC ; DOW GLOBAL TECHNOLOGIES LLC

Assignee(s): BALIJEPALLI SUDHAKAR

Inventor(s): (std): BALIJEPALLI SUDHAKAR ; SUDHAKAR BALIJEPALLI

Agent(s): GOWLING WLG CANADA LLP; THOM RUSSELL; STAUSS KARL E; CANTOR COLBURN LLP

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BR102017005508 A2	20171205	LSPB	B03A	PUBLICATION OF AN APPLICATION: PUBLICATION OF A PATENT APPLICATION OR OF A CERTIFICATE OF ADDITION OF INVENTION	
CA2960249 AA	20170928	LSPB	+	published / reissued	
CN107236400 A	20171010	LSPB	+	published / reissued	
CN107236400 A	20171010	LSPB	PB01	PUBLICATION	
EP3225668 A1	20171004	LSPB	+	published / reissued	
EP3225668 A1	20180502	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20180321
EP3225668 A1	20180815	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20180717
IN201714008285 A	20171020	LSPB	+	published / reissued	
MX2017003410 A1	20180815	LSPB	+	published / reissued	
US10214659 BB	20190226	LSGT	+	granted / extensions (spc, cpc, pte)	
US10214659 BB	20190206	LSGT	PAT1	Patented Case	
US10214659 BB	20370323	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US2017275490 AA	20170928	LSPB	+	published / reissued	
US2017275490 AA	20180223	LSES	NFA1	Non Final Action Mailed	

US2017275490 AA	20181218	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DOW GLOBAL TECHNOLOGIES LLC, MICHIGAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: BALIJEPALLI, SUDHAKAR; REEL/FRAME: 047948/0296 EFFECTIVE DATE : 20160929
US2017275490 AA	20190114	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2017275490 AA	20190118	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2017275490 AA	20190206	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

Title: **Building** block set of tenon engaging edge connecting members

Abstract: The present invention is comprised of a set of interlocking pieces whereby the base set of four different pieces provide extensive opportunity to assemble patterns two dimensionally and **build** three dimensionally. The unique asymmetrical mortise and tenon system allows for continual expansion of engaged forms by joining the pieces. The edge profile establishes a design criteria for developing different shaped pieces in addition to the four base pieces. The modular system of interlocking pieces takes advantage of the structural and spacial characteristics of reinforced concrete that other **building** configurations do not. This invention has the potential to be used for full scale construction as well as for an educational **building** toy.

Classifications:

International (IPC 8-9): A63H33/08 (Advanced/Invention);
A63H33/04 (Core/Invention)

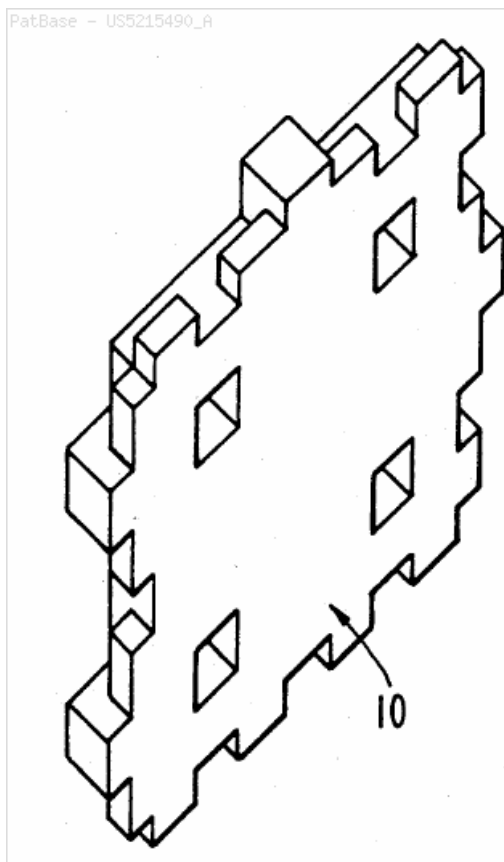
International (IPC 1-7): A63H33/08

CPC: A63H33/08

European: A63H33/08

US: 446/115 446/125

PatBase - US5215490_A



Family:

Publication number	Publication date	Application number	Application date
US5215490 A	19930601	US19910760898	19910917

Priority:

US19910760898 19910917

Probable Assignee:

SZORADI CHARLES A

Assignee(s): (std):

SZORADI CHARLES A

Inventor(s): (std):

SZORADI CHARLES A

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US5215490 A	19930601	LSGT	+	granted / extensions (spc, cpc, pte)	
US5215490 A	19961202	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5215490 A	20001130	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5215490 A	20050601	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5215490 A	20050629	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5215490 A	20050629	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5215490 A	20050726	LSLE	-FP	EXPIRED DUE TO FAILURE	EFFECTIVE DATE : 20050601

TO PAY MAINTENANCE FEE			
US5215490 A	20110917	PEXP	Calculated Patent Term Expiry

Title: SELF-LEVELING CEMENTITIOUS COMPOSITION WITH CONTROLLED RATE OF STRENGTH DEVELOPMENT AND ULTRA-HIGH COMPRESSIVE STRENGTH UPON HARDENING AND ARTICLES MADE FROM SAME

Abstract: A self-leveling cementitious mixture with excellent flow properties and which hardens with a controlled rate of strength development to an ultra-high compressive strength composite composition for use in making articles such as cementitious armor panel with ballistic and blast resistant properties including: a continuous phase resulting from the curing of an aqueous mixture, in the absence of silica flour, of inorganic cement binder, inorganic mineral filler having a particle size of about 150-450 microns, pozzolanic mineral filler, polycarboxylate based self-leveling agent and water. The cementitious mixture may include alkanolamine, such as triethanolamine, and acid or acid salt, such as tartaric acid. The cementitious composition may be reinforced with reinforcing fibers, e.g. glass fibers, in an amount of about 0.5-6.0 percent by volume of the overall cementitious composition. The fibers are uniformly dispersed in the cementitious composition before it is cured to form a final cementitious armor panel.

Classifications:

International (IPC 8-9): A47G5/00 B23B1/00 B23B13/02 B23B13/04 B26B5/20 B28B1/093 B28B13/02 B28B19/00 B28B23/00 B28B5/02 B28B7/36 B28C5/36 B29C67/00 B32B1/00 B32B13/02 B32B13/04 B32B13/12 B32B13/14 B32B17/04 B32B27/04 B32B3/18 B32B38/10 B32B5/28 B32B7/12 B32B9/00 B62B5/20 C04B11/30 C04B11/20 C04B11/62 C04B14/00 C04B14/02 C04B14/04 C04B14/06 C04B14/38 C04B14/42 C04B14/48 C04B16/06 C04B18/14 C04B20/00 C04B22/06 C04B22/12 C04B24/06 C04B24/12 C04B24/24 C04B24/26 C04B28/00 C04B28/02 C04B28/04 C04B28/28 E04B1/343 E04B1/348 E04B1/98 E04C2/04 E04C2/06 E04C2/26 E04C2/34 E04C2/38 E04C3/02 E04H12/18 E04H15/34 E04H15/48 E04H9/04 E04H9/10 E04H9/14 E06B9/06 F41H11/00 F41H5/02 F41H5/04 (Advanced/Invention); C04B11/20 C04B11/62 (Advanced/Non-invention); B29C67/00 B32B1/00 B32B13/00 B32B38/10 B32B7/12 C04B11/00 C04B14/00 C04B14/02 C04B14/38 C04B24/00 C04B28/00 E04B1/348 E04B1/98 E04C3/02 E04H9/04 F41H5/00 (Core/Invention)

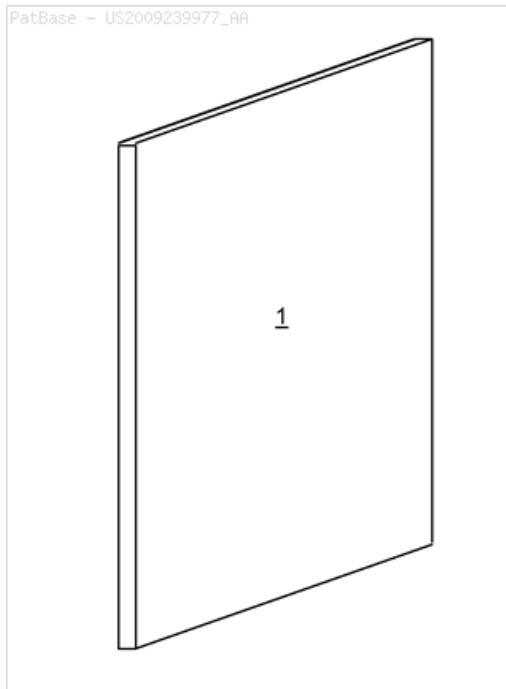
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REPRESENTED BY SECRETARY OF ARMY ; US GOV REPRESENTED BY THE SECR ; US GOV SEC ARMY ; US GOVERNMENT ; USG CORP ; CHAN CESAR ; ARMY US SEC ; U S GYPSUM COMPANY ; U S GYPSUM CO ; JUNAJTED STEHJTS GAVERMENT EHZ REPRESENTID BAJ DZE SEKRETARI OF DZE ARMI ; JUNAJTED STEHJTS DZHIPSUM KOMPANI ; GOVERNMENT OF UNITED STATES REPRESENTED BY SECRETARY OF ARMY AS ; US GOV REPRESENTED BY SECRETARY OF ARMY AS ; US GOV

Assignee(s): THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE ARMY ; GOVERNMENT OF UNITED STATES AS REPRESENTED BY SECRETARY OF ARMY ; GOVERNMENT OF UNITED STATES REPRESENTED BY SECRETARY OF ARMY AS ; SECRETARY OF ARMY US ; REPRESENTED BY SECRETARY OF ARMY US GOV AS ; US GYPSUM CO ; UNITED STATES OF AMERICA ; USA GOVERNMENT ; USA GOVERNMENT UNITED STATES GYPSUM CO ; UNITED STATES GYPSUM COMPANY ; SECRETARY OF ARMY AS US GOV ; UNITED STATES GOVERNMENT ; UNITED STATES GOVERNMENT AS REPRESENTED BY THE SECRETARY OF THE ARMY ; UNITED STATES GOVERNMENT REPRESENTED BY THE SECRETARY OF THE ARMY ; THE GOVERNMENT OF THE UNITED STATES OF AMERICA ; REPRESENTED BY SECRETARY OF ARMY AS US GOV ; REPRESENTED BY SECRETARY OF ARMY US GOV ; GOVERNMENT OF THE UNITED STATES AS REPRESENTED BY THE SECRETARY OF THE ARMY ; GOVERNMENT OF THE UNITED STATES AS REPRESENTED BY THE SECRETARY OF THE ARMY ; GOVERNMENT OF UNITED STATES REPRESENTED BY THE SECRETARY OF ARMY AS

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Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRPI0909035 A2	20190205	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
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EP2257425 B1	20200115	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2257425 B1	20200205	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D

EP2257425 B1	20200213	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602009061007 COUNTRY OF REF DOCUMENT : DE
EP2257425 B1	20200215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 1224753 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20200215
EP2257425 B1	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20200227 YEAR OF FEE PAYMENT : 12
EP2257425 B1	20290227	PEXP		Calculated Patent Term Expiry	
EP2265555 A1	20101229	LSPB	+	published / reissued	
EP2265555 A1	20101229	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20100924
EP2265555 A4	20140101	LSSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20131129
EP2265555 A4	20140716	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20140617
EP2265555 A4	20180829	LSSES	+R17C	FIRST EXAMINATION REPORT DESPATCHED (CORRECTED)	EFFECTIVE DATE : 20140617
EP2265555 A4	20191030	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20191001
EP2265555 B1	20200115	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2265555 B1	20200115	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2265555 B1	20200115	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2265555 B1	20200205	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2265555 B1	20200215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 1225018 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20200215
EP2265555 B1	20200220	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602009060999 COUNTRY OF REF DOCUMENT : DE
EP2265555 B1	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20200227 YEAR OF FEE PAYMENT : 12
EP2265555 B1	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20200227 YEAR OF FEE PAYMENT : 12
EP2265555 B1	20290227	PEXP		Calculated Patent Term	

Expiry				
GC2984 A	20140508	LSGT	+	granted / extensions (spc, cpc, pte)
GC2984 A	20290302	PEXP		Calculated Patent Term Expiry
GC2985 A	20140508	LSGT	+	granted / extensions (spc, cpc, pte)
GC2985 A	20290302	PEXP		Calculated Patent Term Expiry
GC2986 A	20140508	LSGT	+	granted / extensions (spc, cpc, pte)
GC2986 A	20290302	PEXP		Calculated Patent Term Expiry
GC3005 A	20140514	LSGT	+	granted / extensions (spc, cpc, pte)
GC3005 A	20290302	PEXP		Calculated Patent Term Expiry
IN06019CN2010 A	20110429	LSPB	+	published / reissued
IN06113CN2010 A	20110520	LSPB	+	published / reissued
IN06144CN2010 A	20110527	LSPB	+	published / reissued
IN06157CN2010 A	20110527	LSPB	+	published / reissued
IN325705 B	20191129	LSGT	+	granted / extensions (spc, cpc, pte)
IN325705 B	20300929	PEXP		Calculated Patent Term Expiry
JP2011513185 T2	20110428	LSPB	+	published / reissued
JP2011513185 T2	20120211	LSRE	A521	WRITTEN AMENDMENT TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120210
JP2011513185 T2	20120211	LSER	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20120210
JP2011513185 T2	20120303	LSRE	A521	WRITTEN AMENDMENT TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120216
JP2011513185 T2	20130508	LSER	-A131	NOTIFICATION OF REASONS FOR REFUSAL TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130507
JP2011513185 T2	20130725	LSRE	A521	WRITTEN AMENDMENT TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20130724
JP2011513185 T2	20140501	LSRV	-A02	DECISION OF REFUSAL TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20140430
JP2011513186 T2	20110428	LSPB	+	published / reissued
JP2011513186 T2	20120211	LSER	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20120210
JP2011513186 T2	20130508	LSER	-A131	NOTIFICATION OF REASONS FOR REFUSAL TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130507
JP2011513186 T2	20130711	LSRE	A521	WRITTEN AMENDMENT TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20130710
JP2011513186 T2	20140501	LSRV	-A02	DECISION OF REFUSAL TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20140430

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JP2011513187 T2	20120211	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120210
JP2011513187 T2	20120211	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20120210
JP2011513187 T2	20120303	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120216
JP2011513187 T2	20130703	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130702
JP2011513187 T2	20131002	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20131001
JP2011513187 T2	20140702	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20140701
JP2011517308 T2	20110602	LSPB	+	published / reissued	
JP2011517308 T2	20120211	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120210
JP2011517308 T2	20120211	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20120210
JP2011517308 T2	20120303	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120216
JP2011517308 T2	20120427	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120411
JP2011517308 T2	20130321	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130319
JP2011517308 T2	20130612	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20130611
JP2011517308 T2	20140409	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20140408
JP2015006983 A2	20150115	LSPB	+	published / reissued	
JP2015006983 A2	20150701	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150630
JP2015006983 A2	20150930	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150930
JP2015006983 A2	20151113	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2015006983 A2	20151125	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20151124
JP2015006983 A2	20151224	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20151217
JP2015006983 A2	20151225	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5860106 COUNTRY OF REF DOCUMENT : JP

JP2015027939 A2	20150212	LSPB	+	published / reissued	
JP2015027939 A2	20150617	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150616
JP2015027939 A2	20150916	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150916
JP2015027939 A2	20160106	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2015027939 A2	20160113	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160112
JP2015027939 A2	20160204	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160201
JP2015027939 A2	20160205	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5879406 COUNTRY OF REF DOCUMENT : JP
JP2015027946 A2	20150212	LSPB	+	published / reissued	
JP2015027946 A2	20150617	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150616
JP2015027946 A2	20150916	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150916
JP2015027946 A2	20160204	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2015027946 A2	20160210	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160209
JP2015027946 A2	20160317	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160308
JP2015027946 A2	20160318	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5901713 COUNTRY OF REF DOCUMENT : JP
JP2015061817 A2	20150402	LSPB	+	published / reissued	
JP2015061817 A2	20150824	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150824
JP2015061817 A2	20150915	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2015061817 A2	20150930	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20150929
JP2015061817 A2	20151029	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20151022
JP2015061817 A2	20151030	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5829743 COUNTRY OF REF DOCUMENT : JP

JP5829743 B2	20151209	LSGT	+	MODEL granted / extensions (spc, cpc, pte)	
JP5829743 B2	20141226	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20141209
JP5829743 B2	20150218	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150202
JP5829743 B2	20150325	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150324
JP5829743 B2	20151001	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5829743 B2	20151027	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5829743 B2	20151030	LSGT	+R150	特許証 (Patent certificate)	
JP5829743 B2	20181004	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5829743 B2	20181009	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5829743 B2	20191010	LSFE	R20	特許料納付書 (Patent fee payment form)	EFFECTIVE DATE : 20191008
JP5829743 B2	20191015	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5829743 B2	20341030	PEXP		Calculated Patent Term Expiry	
JP5860106 B2	20160216	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5860106 B2	20151126	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5860106 B2	20151222	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5860106 B2	20151225	LSGT	+R150	特許証 (Patent certificate)	
JP5860106 B2	20181206	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5860106 B2	20181211	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5860106 B2	20191212	LSFE	R20	特許料納付書 (Patent fee payment form)	EFFECTIVE DATE : 20191209
JP5860106 B2	20191217	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5860106 B2	20340807	PEXP		Calculated Patent Term Expiry	
JP5879406 B2	20160308	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5879406 B2	20150210	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150126
JP5879406 B2	20160114	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5879406 B2	20160202	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5879406 B2	20160205	LSGT	+R150	特許証 (Patent certificate)	
JP5879406 B2	20190124	LSFE	R20	特許料納付書 (Patent fee	

				payment form)	
JP5879406 B2	20190129	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5879406 B2	20200123	LSFE	R20	特許料納付書 (Patent fee payment form)	EFFECTIVE DATE : 20200122
JP5879406 B2	20200124	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5879406 B2	20340812	PEXP		Calculated Patent Term Expiry	
JP5901713 B2	20160413	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5901713 B2	20141128	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20141111
JP5901713 B2	20160212	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5901713 B2	20160315	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5901713 B2	20160318	LSGT	+R150	特許証 (Patent certificate)	
JP5901713 B2	20190307	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5901713 B2	20190312	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5901713 B2	20200306	LSFE	R20	特許料納付書 (Patent fee payment form)	EFFECTIVE DATE : 20200305
JP5901713 B2	20200309	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5901713 B2	20340901	PEXP		Calculated Patent Term Expiry	
MX2010009221 A1	20110223	LSPB	+	published / reissued	
MX2010009221 A1	20150107	LSGT	+FG	GRANT OR REGISTRATION	
MX2010009278 A1	20110223	LSPB	+	published / reissued	
MX2010009278 A1	20150504	LSGT	+FG	GRANT OR REGISTRATION	
MX2010009491 A1	20100924	LSPB	+	published / reissued	
MX2010009491 A1	20121120	LSGT	+FG	GRANT OR REGISTRATION	
MX2010009584 A1	20110222	LSPB	+	published / reissued	
MX2010009584 A1	20120806	LSGT	+FG	GRANT OR REGISTRATION	
RU2010138658 A	20120410	LSPB	+	published / reissued	
RU2010138659 A	20120410	LSPB	+	published / reissued	
RU2010138660 A	20120410	LSPB	+	published / reissued	
RU2010138661 A	20120410	LSPB	+	published / reissued	
RU2487219 C2	20130710	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2487219 C2	20290227	PEXP		Calculated Patent Term Expiry	
RU2491493 C2	20130827	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2491493 C2	20290227	PEXP		Calculated Patent Term Expiry	

RU2492054 C2	20130910	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2492054 C2	20290227	PEXP		Calculated Patent Term Expiry	
RU2497769 C2	20131110	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2497769 C2	20290227	PEXP		Calculated Patent Term Expiry	
UA100723 C2	20130125	LSGT	+	granted / extensions (spc, cpc, pte)	
UA100723 C2	20290227	PEXP		Calculated Patent Term Expiry	
UA100724 C2	20130125	LSGT	+	granted / extensions (spc, cpc, pte)	
UA100724 C2	20290227	PEXP		Calculated Patent Term Expiry	
UA100726 C2	20130125	LSGT	+	granted / extensions (spc, cpc, pte)	
UA100726 C2	20290227	PEXP		Calculated Patent Term Expiry	
UA101020 C2	20130225	LSGT	+	granted / extensions (spc, cpc, pte)	
UA101020 C2	20290227	PEXP		Calculated Patent Term Expiry	
US2009239977 AA	20090924	LSPB	+	published / reissued	
US2009239977 AA	20110914	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2010229714 AA	20100916	LSPB	+	published / reissued	
US2010229714 AA	20111102	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2010229715 AA	20100916	LSPB	+	published / reissued	
US2010229715 AA	20101207	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNITED STATES GYPSUM COMPANY, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TONYAN, TIMOTHY D.; FRANK, WILLIAM A.; DUBEY, ASHISH; AND OTHERS; SIGNING DATES FROM 20090422 TO 20090505; REEL/FRAME:025459/0854
US2010229715 AA	20111102	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2010230035 AA	20100916	LSPB	+	published / reissued	
US2010230035 AA	20120229	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2011000514 AA	20110106	LSPB	+	published / reissued	
US2011000514 AA	20130529	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2011005695 AA	20110113	LSPB	+	published / reissued	
US2011005695 AA	20140407	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US8030377 BB	20111004	LSGT	+	granted / extensions (spc, cpc, pte)	

US8030377 BB	20090522	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNITED STATES OF AMERICA AS REPRESENTED BY THE SEC OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DURST, BARTLEY P.; KINNEBREW, PAMELA G.; CUMMINS, TONEY K.; AND OTHERS; REEL/FRAME:022728/0865 EFFECTIVE DATE : 20090522
US8030377 BB	20090611	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNITED STATES GYPSUM COMPANY, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DUBEY, ASHISH; CHAN, CESAR; NATESAIYER, KUMAR; REEL/FRAME:022810/0160; SIGNING DATES FROM 20090422 TO 20090423
US8030377 BB	20090611	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNITED STATES GYPSUM COMPANY, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DUBEY, ASHISH; CHAN, CESAR; NATESAIYER, KUMAR; SIGNING DATES FROM 20090422 TO 20090423; REEL/FRAME:022810/0160
US8030377 BB	20110914	LSGT	PAT1	Patented Case	
US8030377 BB	20150406	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8030377 BB	20190404	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US8030377 BB	20290328	PEXP		Calculated Patent Term Expiry (PTA 29 days)	
US8061257 BB	20111122	LSGT	+	granted / extensions (spc, cpc, pte)	
US8061257 BB	20090515	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNITED STATES GYPSUM COMPANY, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:NATESAIYER, KUMAR; REEL/FRAME:022692/0790 EFFECTIVE DATE : 20090515
US8061257 BB	20090522	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNITED STATES OF AMERICA AS REPRESENTED BY THE SEC OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DURST, BARTLEY P.; KINNEBREW, PAMELA G.; CUMMINS, TONEY K.; AND OTHERS; REEL/FRAME:022728/0809 EFFECTIVE DATE : 20090522
US8061257 BB	20090612	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNITED STATES GYPSUM COMPANY, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TONYAN, TIMOTHY D.; FRANK, WILLIAM A.; DUBEY, ASHISH; AND OTHERS; SIGNING DATES FROM 20090422 TO 20090505; REEL/FRAME:022817/0256
US8061257 BB	20111102	LSGT	PAT1	Patented Case	
US8061257 BB	20150522	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8061257 BB	20190522	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US8061257 BB	20291004	PEXP		Calculated Patent Term Expiry (PTA 219 days)	
US8062741 BB	20111122	LSGT	+	granted / extensions (spc, cpc, pte)	
US8062741 BB	20090522	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

					OWNER : UNITED STATES OF AMERICA AS REPRESENTED BY THE SEC OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DURST, BARTLEY P.; KINNEBREW, PAMELA G.; CUMMINS, TONEY K.; AND OTHERS; REEL/FRAME:022728/0617 EFFECTIVE DATE : 20090522
US8062741 BB	20090612	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNITED STATES GYPSUM COMPANY, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TONYAN, TIMOTHY D.; FRANK, WILLIAM A.; DUBEY, ASHISH; AND OTHERS; SIGNING DATES FROM 20090422 TO 20090505; REEL/FRAME:022816/0801
US8062741 BB	20111102	LSGT	PAT1	Patented Case	
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US8062741 BB	20190522	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US8062741 BB	20290430	PEXP		Calculated Patent Term Expiry (PTA 62 days and a terminal disclaimer has been filed)	
US8137490 BB	20120320	LSGT	+	granted / extensions (spc, cpc, pte)	
US8137490 BB	20090612	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNITED STATES GYPSUM COMPANY, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FRANK, WILLIAM A.; DUBEY, ASHISH; SIGNING DATES FROM 20090423 TO 20090427; REEL/FRAME:022820/0405
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US8464493 BB	20290413	PEXP		Calculated Patent Term Expiry (PTA 42 days and a terminal disclaimer has been filed)	
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WO09148652 A3	20100901	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 12920499 COUNTRY OF REF DOCUMENT : US
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WO09148652 A3	20110511	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 09758815 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :

Abstract: Methods for converting toxic waste, including nuclear waste, to quasi-natural or artificial feldspar minerals are disclosed. The disclosed methods may include converting, chemically binding, sequestering and incorporating the toxic waste into quasi-natural or artificial Feldspar minerals. The quasi-natural or artificial feldspar minerals may be configured to match naturally occurring materials at a selected disposal site. Methods for the immediate, long term, quasi-permanent disposal or storage of quasi natural or artificial feldspar materials are also disclosed.

International (IPC 8-9): B01F1/00 B09B5/00 C04B18/02 C04B26/26
C04B28/02 C04B7/26 E02D3/115 G21F9/16 G21F9/30
G21F9/34 (Advanced/Invention):

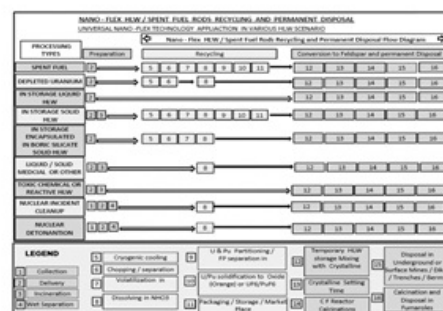
C04B111/00 G21F9/30 G21F9/34 (Advanced/Non-invention)

CPC: C04B18/021 C04B26/26 C04B28/02 C04B2111/0075

G21F9/302 C04B18/08 G21F9/162 G21F9/34 Y02W30/92

US: 106/283 106/286.5 106/405 588/12 588/14 588/321 588/404

PatBase - US2013197293_AA



Publication number	Publication date	Application number	Application date
US2013197293 AA	20130801	US20120646365	20121005
US2014251182 AA	20140911	US20140262652	20140425
US8987541 BB	20150324	US20140262652	20140425
US8993826 BB	20150331	US20120646365	20121005
WO13158196 A2	20131024	WO2013US24232	20130131
WO13158196 A3	20131227	WO2013US24232	20130131

US20120632865P 20120201 US20120646365 20121005 US20130816160P 20130426
US20140262652 20140425

Assignee(s): (std): ASSENOV DIMITRE S

Inventor(s): (std): ASSENOV DIMITRE S

Agent(s): DURHAM JONES AND PINEGAR PC INTELLECTUAL PROPERTY LAW GROUP; DURHAM JONES AND PINEGAR INTELLECTUAL PROPERTY LAW GROUP; POWER BRICK G 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 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
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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

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Patent	Date recorded	Event group	Code	Event	Details
US2013197293 AA	20130801	LSPB	+	published / reissued	
US2013197293 AA	20150311	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2014251182 AA	20140911	LSPB	+	published / reissued	
US2014251182 AA	20150304	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US8987541 BB	20150324	LSGT	+	granted / extensions (spc, cpc, pte)	
US8987541 BB	20150304	LSGT	PAT1	Patented Case	
US8987541 BB	20180821	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
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US8993826 BB	20150331	LSGT	+	granted / extensions (spc, cpc, pte)	
US8993826 BB	20150311	LSGT	PAT1	Patented Case	
US8993826 BB	20180821	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8993826 BB	20330720	PEXP		Calculated Patent Term Expiry (PTA 288 days)	

WO13158196 A2	20131024	LSPB	+	published / reissued	
WO13158196 A3	20150225	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 13778496 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :

Title: INTEGRAL, INDUSTRIALISED MODULAR DWELLING SYSTEM

Abstract: The invention relates to an integral, industrialized, modular dwelling system which is based on modular, multi-functional, three-dimensional modules that are made from reinforced concrete. The modules, roofing and components are produced in a semi-automated covered plant in which the modules are first cast and set and subsequently provided with integrated finishes, installations, accessories, partitions and details. The invention also relates to a method for constructing the modules, a retractable flexible mold for casting said modules and a method for the on-site **building** of dwellings using the inventive three-dimensional modules.

Classifications:

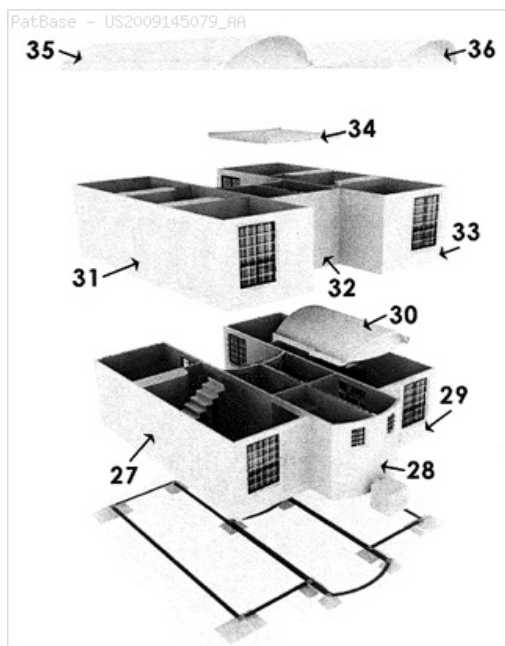
International (IPC 8-9): B28B15/00 B28B7/22 E04B1/35 E04B2/00 E04G11/02 E04G21/14 E04H1/00 E04H5/02 (Advanced/Invention); B28B15/00 B28B7/22 E04B1/35 E04G11/00 E04G21/14 E04H1/00 (Core/Invention); B28B E04G (Subclass/Invention)

International (IPC 1-7): B28B7/22 E04B2/00 E04G11/02

CPC: B28B7/22 B28B15/00 E04B1/34823 E04B2001/34892 E04H1/005 E04H1/02

European: B28B15/00 B28B7/22 E04B1/348C2 E04H1/00B E04H1/02 P04B1/348S

US: 249/13 249/13S 52/64 52/745.02 52/745.02S 52/745.19 52/745.19P 52/79.1 52/79.12 52/79.5



Family:

Publication number	Publication date	Application number	Application date
AP200804527 A0	20080831	AP20080004527	20061129
AP200804527 A0	20091230	AP20080004527	20061129
BRPI0619997 A2	20111025	BR2006PI19997	20061129
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CN101375010 A	20090225	CN200680052919	20061129
CN101375010 B	20130327	CN200680052919	20061129
CR10077 A	20081201	CR20080010077	20080616
DE112006003452 T5	20081127	DE200611003452T	20061129
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IN02362KN2008 A	20090123	IN2008KN02362	20080612
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MXPA05013858 A1	20060613	MX2005PA13858	20051216
TR200804340 T2	20081121	TR20080004340T	20061129
US2009145079 AA	20090611	US20060097701	20061129
US8418411 BB	20130416	US20060097701	20061129
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ZA200805647 A	20100127	ZA20080005647	20061129

Priority:

MX20050013858 20051216 MX2005PA03858 20051216 MX2005PA13858 20051216
WO2006MX00136 20061129

Probable Assignee: CORPORACION GEO S A DE C V

Assignee(s): (std): CARLOS GARCIA VELEZ Y CORTAZAR ; CARLOS V LEZ Y CORTAZAR GARC A ; CORPORACION GEO S A DE C V ; GARCIA VELEZ Y CORTAZAR CARLOS

Assignee(s): CORPORACION GEO DE CV SA

Inventor(s): (std): CORTAZAR VELEZ Y ; GARCIA CARLOS ; CARLOS V LEZ Y CORTAZAR GARC A ; GARCIA VELEZ Y CORTAZAR CARLOS ; CORTAZAR CARLOS GARCIA VELEZ Y ; CARLOS GARCIA VELEZ Y CORTAZAR

Inventor(s): CARLOS GARCIA ; VELEZ Y CORTAZAR ; GARCIA VELEZ Y CORTAZAR

Agent(s): SUGHRUE MION PLLC

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 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 MG MK ML MN MR 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 ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent Date recorded Event group Code Event Details

BRPI0619997 A2	20170103	LSES	B07A	TECHNICAL	
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BRPI0619997 A2	20170822	LSGT	B09A	EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION) DECISION: INTENTION TO GRANT	
BRPI0619997 B1	20180102	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	
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BRPI0619997 B1	20261129	PEXP		Calculated Patent Term Expiry	
CN101375010 A	20090225	LSPB	+	published / reissued	
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CN101375010 A	20090225	LSPB	PB01	公开 (The publication of application)	TEXT : 公开 (DISCLOSURE)
CN101375010 B	20130327	LSGT	+	granted / extensions (spc, cpc, pte)	
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				reissued		
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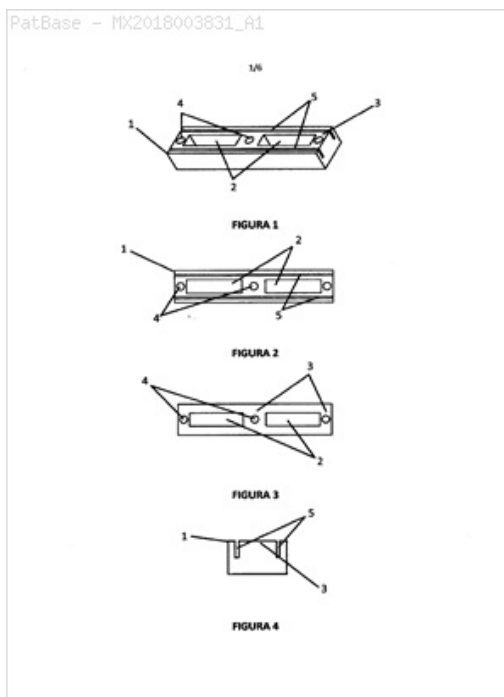
WO07069877 A1	20081202	LSNP	+WWE	PHASE WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 12097701 COUNTRY OF REF DOCUMENT : US
WO07069877 A1	20090107	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 06824230 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :
WO07069877 A1	20111025	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : PI0619997 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20080617
ZA200805647 A	20100127	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA200805647 A	20261128	PEXP		Calculated Patent Term Expiry	

Title: BLOCK SYSTEM FOR MODULAR CONSTRUCTION.

Abstract: The present invention discloses a block system for modular construction characterized by being a **building** construction system using prefabricated blocks, where the base of the construction employs a specific fixing system to assemble each block by tongue and groove system, thus improving the assembly. Said system reduces construction costs and times, being sustainable since the manufacturing is from waste plastic. Also, the materials used herein, grant thermal insulation to homes protecting temperatures and offering acoustic insulation, due to the density and the hollow spaces between each block.

Classifications:

International (IPC 8-9): E04C1/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
MX2018003831 A1	20190930	MX20180003831	20180327

Priority:

MX20180003831 20180327

Probable Assignee: INST TECNOLOGICO JOSE MARIO MOLINA PASQUEL Y HENRIQUEZ

Assignee(s): (std): INST TECNOLOGICO JOSE MARIO MOLINA PASQUEL Y HENRIQUEZ

Assignee(s): INSTITUTO TECNOLOGICO JOSE MARIO MOLINA PASQUEL Y HENRIQUEZ

Inventor(s): (std): JORGE ALBERTO CARDENAS MAGANA

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
MX2018003831 A1	20190930	LSPB	+	published / reissued	

Title: CONTAINER USED AS CONSTRUCTION ELEMENT

Abstract: The invention relates to a container (1) that can be recycled by using same in construction, formed by a rectangular parallelepiped-shaped body (2) having a petaloid base (3), and a truncated pyramid-shaped upper cover (4) which ends in a neck with a lid (5). In the mid-upper portion, on the respective front and rear faces, there is a first cavity (7) having a semi-cylindrical transverse cross-section, and in the mid-lower portion, on the respective front and rear faces, there is a second cavity (6) also having a semi-cylindrical transverse cross-section. In a region of the first cavities (7) and second cavities (6) there are two pairs of protrusions in the form of a truncated cone (10, 11, 12, 13). The base (3) has four petals (14) oriented towards the corners, and a central concave cavity (15) for the purpose of withstanding the pressure of carbonated beverages. At mid-height of the container (1) and on the body (2) there is a peripheral groove (8) which is crossed, on the front and rear faces, by a pair of longitudinal grooves (9) that start near the base (3) and extend in parallel up to near to the truncated pyramid-shaped upper cover (4). The invention also relates to the construction method that can be carried out with this container.

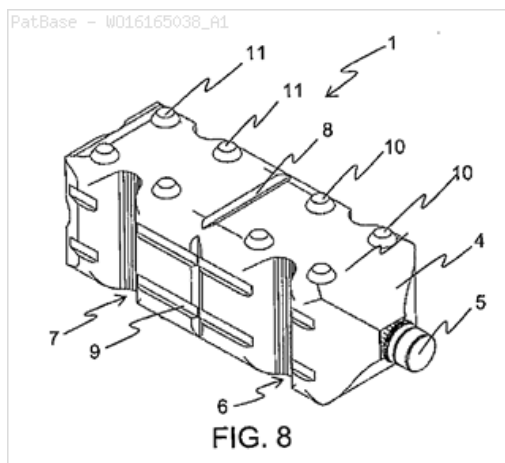
Classifications:

International (IPC 8-9): B65D21/00 B65D21/02 B65D21/032

E04B2/00 E04C1/00 E04C1/42 (Advanced/Invention)

CPC: B65D21/00 B65D21/02 E04B2/00 E04C1/00 E04C1/42

Y02W30/805



Family:

Publication number	Publication date	Application number	Application date
WO16165038 A1	20161020	WO2016CL50018	20160415

Priority:

CL20150000988 20150417

Probable Assignee: ORTIZ FIGUEROA MARCOS ALEJANDRO

Assignee(s): (std): ORTIZ FIGUEROA MARCOS ALEJANDRO

Inventor(s): (std): ORTIZ FIGUEROA MARCOS ALEJANDRO

Agent(s): JOHANSSON AND LANGLOIS LTDA

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
WO16165038 A1	20161020	LSPB	+	published / reissued	
WO16165038 A1	20171018	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	REF COUNTRY CODE : DE
WO16165038 A1	20180516	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 16779380 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: MODULARE ANORDNUNG ZUM BAU FLEXIBLER STRUKTUREN Modular ASSEMBLY FOR CONSTRUCTION OF FLEXIBLE STRUCTURES (Machine translation)

Abstract: Source: DE20009328U1 [DE] (Claim1) Modulare Anordnung fuer den Bau flexibler Strukturen aus zusammensetzbaren Bauteilen, die dadurch gekennzeichnet sind, dass die Bauteile aus roehrenartigen Teilen und Knotenpunkten bestehen, wobei die roehrenartigen Teile zylindrisch sind und verschiedene Groessen haben und aus einem flexiblen und leichten Kunststoff mit elastischem Gedaechnis hergestellt sind, und wobei die Knoten mindestens zwei Zapfen enthalten, die mit leichtem Druck in die jeweiligen Enden der roehrenartigen Bauteile gesteckt werden und untereinander zwei-oder dreidimensionale Winkel bilden.

Machine translation: (Claim1) modular arrangement for the **building** of flexible structures from **build** upable construction units, which are characterized by the fact that the construction units consist of roar-like parts and junctions, whereby the roar-like parts are cylindrical and different sizes have and of a flexible and light plastic with flexible memory is made, and whereby the knots contain at least two taps, those with light pressure into the respective ends of the roar-like construction units to be put and among themselves two or three-dimensional angles bilden.ANSPRUECHE

Classifications:

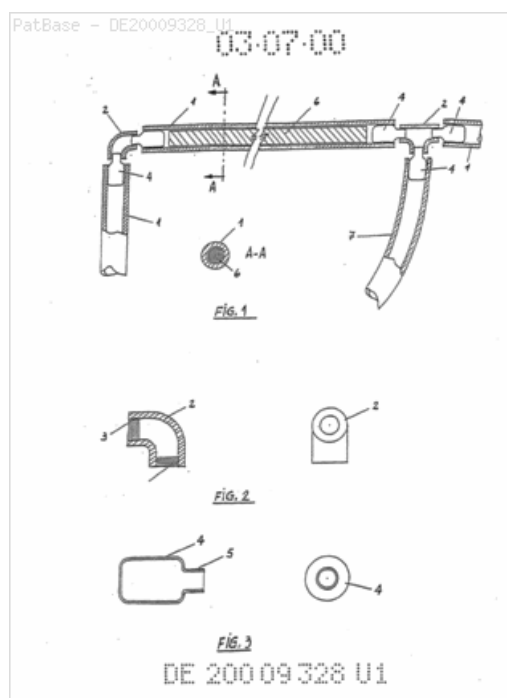
International (IPC 8-9): A63H33/10 (Advanced/Invention);

A63H33/04 (Core/Invention)

International (IPC 1-7): A63F9/06 A63H33/04 E04B1/19 F16B7/00 F16S3/04

CPC: A63H33/10

European: A63H33/10



Family:

Publication number	Publication date	Application number	Application date
DE20009328 U1	20000921	DE20002009328U	20000524

Priority:

DE20002009328U 20000524

Probable Assignee: PODGAIZ RICARDO HUGO

Assignee(s): (std): PODGAIZ RICARDO HUGO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE20009328 U1	20000921	LSGT	+	granted / extensions (spc, cpc, pte)	
DE20009328 U1	20000921	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20000921
DE20009328 U1	20030904	LSGT	+R150	UTILITY MODEL MAINTAINED AFTER PAYMENT OF FIRST MAINTENANCE FEE AFTER THREE YEARS	EFFECTIVE DATE : 20030701
DE20009328 U1	20070315	LSLE	-R157	LAPSE OF IP RIGHT AFTER 6 YEARS	EFFECTIVE DATE : 20061201
DE20009328 U1	20100524	PEXP		Calculated Patent Term Expiry	

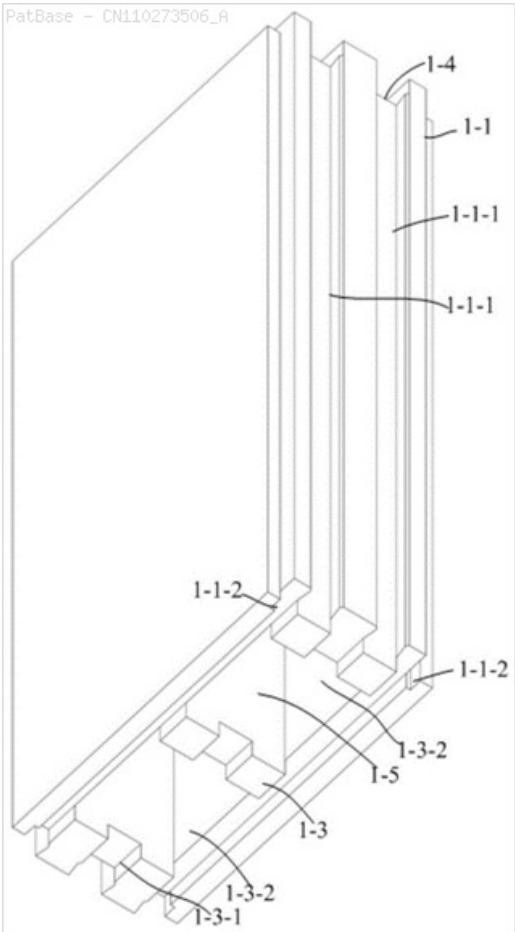
Title: BRICK BODIES, WALL BODY AND BUILDING BODY

Abstract: The embodiments of the invention disclose brick bodies, a wall body and a building body. The brick bodies comprise square block bodies, wherein first tenon grooves are formed in the first side surfaces, and first tenon heads are arranged at the positions, corresponding to the first tenon grooves, of the second side surfaces; second tenon grooves are formed in the third side surfaces, and second tenon heads are arranged at the positions, corresponding to the second tenon grooves, of the fourth side surfaces; the first tenon grooves and the first tenon heads are in the shape of dovetail, so that the two brick bodies adjacent to each other left and right are fixed to the first tenon heads through the first tenon grooves in a fit mode, and the two brick bodies adjacent to each other up and down are fixed to the second tenon heads through the second tenon grooves in a fit mode, the walling process of the wall body is like inserting Lego blocks so as to avoid the use of mortar, on-site wet work and building construction waste are reduced, construction is convenient, therefore, the flexibility and construction efficiency of masonry buildings are improved, the standardized full-size system of the brick bodies can meet the requirements of various sizes of various buildings, and the cost is greatly reduced when the quality of brick body products is improved through the industrialized production,

Classifications:

International (IPC 8-9): E04B2/08 E04C1/00 (Advanced/Invention)

CPC: E04B2/08 E04B2002/0234 E04B2002/0295 E04C1/00



Family:

Publication number	Publication date	Application number	Application date
CN110273506 A	20190924	CN201910646476	20190717

Priority:

CN201910646476 20190717

Probable Assignee: JINDIANSHI BEIJING BUILDING DESIGN CONSULTATION SERVICES CO LTD

Assignee(s): (std): JINDIANSHI BEIJING BUILDING DESIGN CONSULTATION SERVICES CO LTD

Assignee(s): GOLD POINT STONE BEIJING ARCHITECTURAL DESIGN CONSULTING SERVICES LIABILITY CO LTD ; JINDIANSHI BEIJING BUILDING DESIGN CONSULTATION SERVICES CO

Inventor(s): (std): WANG ZHENG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN110273506 A	20190924	LSPB	+	published / reissued	
CN110273506 A	20190924	LSPB	PB01	PUBLICATION	

Title: Verfahren zum Aufbau einer Baukonstruktion Construction method for **building** a (Machine translation)

Abstract: Source: CH403247A [DE] (Claim 1) 1. Verfahren nach Patentanspruch, dadurch gekennzeichnet, dass beide Auflagen je eine gegossene Betondecke sind.

Machine translation: (Claim 1) 1 The method according to claim, characterized in that both these conditions are ever a poured concrete ceiling.

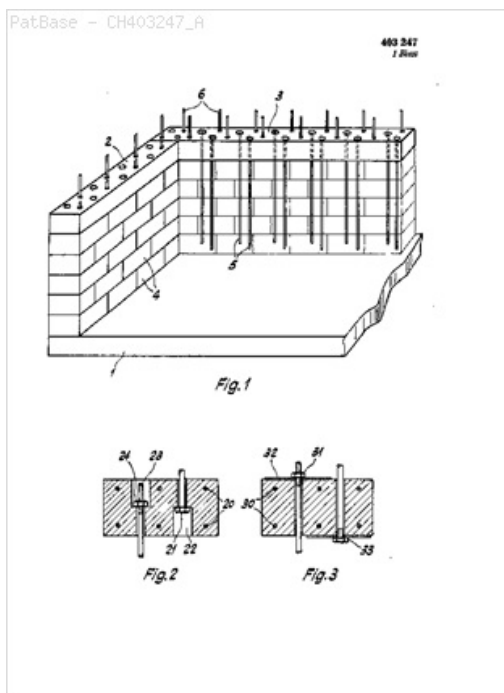
Classifications:

International (IPC 8-9): E04B2/10 (Advanced/Invention); E04B2/04 (Core/Invention)

International (IPC 1-7): A63H33/10 E04B2/06 E04B2/10 E04C1/10

CPC: E04B2/10

European: E04B2/10



Family:

Publication number	Publication date	Application number	Application date
CH403247 A	19651130	CH19620014891	19621218
ES293808 A1	19640601	ES19630293808	19631123

Priority:

CH19620014891 19621218

Probable Assignee: NORMBAU ELEMENTE GES

Assignee(s): (std): F R NORMBAUELEMENTE GES ; NORMBAU ELEMENTE GES

Assignee(s): FUR NORMBAUELEMENTE GES ; GESELLSCHAFT FUR NORMBAU ELEMENTE ; GESELLSCHAFT FUR NORMBAUELEMENTE

Inventor(s): (std): JUERG PFISTER

Inventor(s): PFISTER JUERG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CH403247 A	19651130	LSGT	+	granted / extensions (spc, cpc, pte)	
CH403247 A	19821218	PEXP		Calculated Patent Term Expiry	
ES293808 A1	19640601	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: POLYMERIC OR COMPOSITE WALL AND SURFACE VENEERING PRODUCTS, SYSTEMS AND METHODS OF USE THEREOF

Abstract: The present invention relates to wall and surface veneering products and systems that provide a replica image of a natural surface, such as stone, brick or wood, and is easily installable due to its lightweight characteristics and securement design. The present invention further includes systems for attachment of the veneering product to walls or other surfaces and also includes systems for assembling such products to provide pleasing arrangements and complete wall coverage. The present invention also includes methods of manufacture, which ensures the natural appearance of stone or wood by imaging a natural surface, such as stone or wood, and preparing a mold from that image to mass produce a replica of that particular surface.

Classifications:

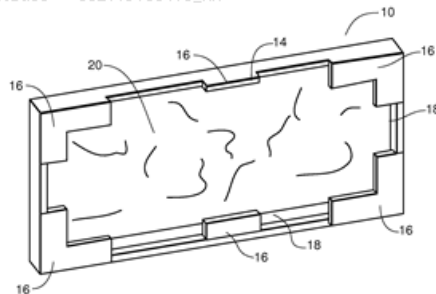
International (IPC 8-9): B28B11/04 B29C65/00 B32B3/30 B44C5/04 B44F9/00 B44F9/02 B44F9/04 E04B2/02 E04B2/72 E04C2/20 E04F13/072 E04F13/18 (Advanced/Invention); B29C65/00 B32B3/30 B44C5/00 B44F9/00 E04F13/072 E04F13/18 (Core/Invention)

CPC: Y10T428/24479 B44F9/02 E04B2002/0269 E04C1/395 Y10T428/24355 Y10T428/24438 B44C5/0461 B44C5/0453 B44F9/04 E04F13/0839 E04F13/0842 E04F13/0848 E04F13/185 E04F2201/05

European: B44C5/04N B44C5/04P B44F9/02 B44F9/04 E04C1/39B E04F13/08B3A3 E04F13/08B3A4A E04F13/08B3A6A E04F13/18B P04B2/02N6 P04F201/05

US: 156/71 156/71S 425/94 425/94S 428/141 428/141S 428/15 428/151 428/151S 428/156 428/156P 428/15S 52/309.1 52/309.100P 52/415 52/429 52/506.01 52/506.04 52/506.06 52/507 52/518 52/519 52/536 52/539 52/547

PatBase - US2009068406_AA



Family:

Publication number	Publication date	Application number	Application date
CN101563238 A	20091021	CN200780046620	20071016
EP2089240 A2	20090819	EP20070874452	20071016
US2009068406 AA	20090312	US20070872812	20071016
US2011146175 AA	20110623	US20090547300	20090825
US7987646 BB	20110802	US20070872812	20071016
WO08115276 A2	20080925	WO2007US81469	20071016
WO08115276 A3	20090514	WO2007US81469	20071016

Priority:

US20060463816 20060810	US20060829925P 20061018	US20070953040P 20070731
US20070872812 20071016	WO2007US81469 20071016	US20080091579P 20080825
US20090547300 20090825		

Probable Assignee: NEW TECHNOLOGY RESOURCES INC

Assignee(s): (std): DOLAN JOHN F ; FORSBERG JOEL ; FORSBERG PAUL J ; KNUDSON EDWARD A ; NEW TECHNOLOGY RESOURCES INC ; PILARSKI DARYL ; RACE ROBERT J ; WYLER CRAIG S ; GEHRKE GARRY

Inventor(s): (std): DOLAN JOHN F ; FORSBERG JOEL ; FORSBERG PAUL J ; KNUDSON EDWARD A ; KNUDSON EDWARD ALAN ; PILARSKI DARYL ; RACE ROBERT J ; WYLER CRAIG S ; JOEL FORSBERG ; GEHRKE GARRY ; DOLAN JOHN FITZGERALD ; DARYL PILARSKI

Agent(s): VON DEN STEINEN AXEL; INTELLECTUAL PROPERTY GROUP FREDRIKSON AND BYRON PA; FREDRIKSON AND BYRON PA; DOLAN JOHN F ET AL

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN101563238 A	20091021	LSPB	+	published / reissued	
CN101563238 A	20091021	LSPB	+C06	PUBLICATION	
CN101563238 A	20130710	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
EP2089240 A2	20090819	LSPB	+	published / reissued	
EP2089240 A2	20090819	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20090518
EP2089240 A2	20121024	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20120501
US2009068406 AA	20090312	LSPB	+	published / reissued	

US2011146175 AA	20110623	LSPB	+	published / reissued	
US2011146175 AA	20120821	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US7987646 BB	20110802	LSGT	+	granted / extensions (spc, cpc, pte)	
US7987646 BB	20080516	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NEW TECHNOLOGY RESOURCES, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:RACE, ROBERT J; FORSBERG, PAUL J; KNUDSON, EDWARD A; AND OTHERS; REEL/FRAME:020957/0250; SIGNING DATES FROM 20080411 TO 20080513
US7987646 BB	20080516	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NEW TECHNOLOGY RESOURCES, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:RACE, ROBERT J; FORSBERG, PAUL J; KNUDSON, EDWARD A; AND OTHERS; SIGNING DATES FROM 20080411 TO 20080513; REEL/FRAME:020957/0250
US7987646 BB	20150802	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7987646 BB	20150831	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7987646 BB	20150831	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7987646 BB	20150922	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20150802
US7987646 BB	20290525	PEXP		Calculated Patent Term Expiry (PTA 587 days)	
WO08115276 A2	20080925	LSPB	+	published / reissued	
WO08115276 A2	20071016	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200780046620.7 COUNTRY OF REF DOCUMENT : CN
WO08115276 A2	20090421	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	REF COUNTRY CODE : DE
WO08115276 A3	20090518	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007874452 COUNTRY OF REF DOCUMENT : EP

Title: **BUILDING** CONSTRUCTION WITH LOST SHUTTERING AND CONSTRUCTION METHOD

Abstract: A plurality of pre-formed panels are provided. Each panel comprises construction boards held apart from each other by spaced apertured metal strength members (2) to form a sandwich construction. Each strength member is provided with at least one bar (10) extending beyond an edge of the construction boards. Each strength member has a bar receiving portion (63) associated with its end opposite the at least one bar. To construct a wall, a first such panel is first erected with its strength members (2) extending vertically and with the bars (10) projecting above the remainder of the panel. The void between the construction boards is then filled with a settable material. A second panel is located vertically above the first by slotting the bars of the first panel into bar receiving portions of strength members in the second panel. Thereafter, the void between the construction boards of the second panel is filled with the settable material.

Classifications:

International (IPC 8-9): E04B2/84 E04B2/86 E04C2/00

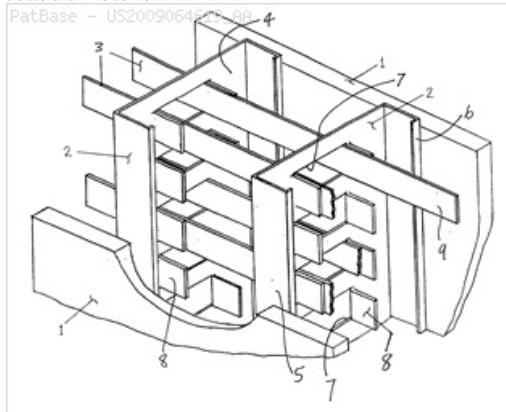
E04C5/16 (Advanced/Invention);

E04B2/86 E04C5/16 (Core/Invention)

CPC: E04B2/84 E04B2/8629 E04B2/8635 E04B2002/867

European: E04B2/84 E04B2/86F1 E04B2/86G P04B2/86P

US: 52/236.9 52/426 52/426P 52/431 52/431S 52/649.1 52/742.15 52/742.150S



Family:

Publication number	Publication date	Application number	Application date
EP1996775 A1	20081203	EP20070705296	20070301
EP1996775 B1	20160601	EP20070705296	20070301
GB2006004364 A0	20060412	GB20060004364	20060303
GB200703985 A0	20070411	GB20070003985	20070301
GB2436841 A1	20071010	GB20070003985	20070301
GB2436841 B2	20101215	GB20070003985	20070301
US2009064619 AA	20090312	US20070224305	20070301
US8978331 BB	20150317	US20070224305	20070301
WO07099321 A1	20070907	WO2007GB00711	20070301

Priority:

GB20060004364 20060303 WO2007GB00711 20070301

Probable Assignee: VERTEKA LTD

Assignee(s): (std): BOWERMAN HUGH G ; BOWERMAN HUGH GORDON ; VERTEKA LTD

Inventor(s): (std): BOWERMAN HUGH GORDON

Inventor(s): HUGH GORDON BOWERMAN

Agent(s): DEANS MICHAEL JOHN PERCY; MANELLI DENISON AND SELTER; MANELLI SELTER PLLC; EDWARD J

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 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 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 ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
EP1996775 A1	20081203	LSPB	+	published / reissued	
EP1996775 A1	20081203	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20080922
EP1996775 A1	20120118	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20111219
EP1996775 A1	20160113	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20151216
EP1996775 B1	20160601	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1996775 B1	20160601	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1996775 B1	20160615	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP

EP1996775 B1	20160615	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 803973 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20160615
EP1996775 B1	20160629	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1996775 B1	20160714	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602007046505 COUNTRY OF REF DOCUMENT : DE
EP1996775 B1	20160926	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP1996775 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20161115	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 803973 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20160601
EP1996775 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160902
EP1996775 B1	20161130	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT :

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161001
EP1996775 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601

EP1996775 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161003
EP1996775 B1	20170302	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602007046505 COUNTRY OF REF DOCUMENT : DE
EP1996775 B1	20170510	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20170302
EP1996775 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20170928	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 11
EP1996775 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170928 YEAR OF FEE PAYMENT : 11
EP1996775 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170928 YEAR OF FEE PAYMENT : 11
EP1996775 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170929 YEAR OF FEE PAYMENT : 11
EP1996775 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20171130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20170929 YEAR OF FEE PAYMENT : 11
EP1996775 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170301
EP1996775 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170929 YEAR OF FEE PAYMENT : 11
EP1996775 B1	20180921	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 12

EP1996775 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20180920 YEAR OF FEE PAYMENT : 12
EP1996775 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180921 YEAR OF FEE PAYMENT : 12
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EP1996775 B1	20181130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180920 YEAR OF FEE PAYMENT : 12
EP1996775 B1	20181130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20180920 YEAR OF FEE PAYMENT : 12
EP1996775 B1	20190628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20070301
EP1996775 B1	20190830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160601
EP1996775 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20190926 YEAR OF FEE PAYMENT : 13
EP1996775 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20190926 YEAR OF FEE PAYMENT : 13
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EP1996775 B1	20200131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20190927 YEAR OF FEE PAYMENT : 13
EP1996775 B1	20200131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20190927 YEAR OF FEE PAYMENT : 13
EP1996775 B1	20200331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED

					TIME-LIMIT LAPSED DATE : 20160601
EP1996775 B1	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20200325 YEAR OF FEE PAYMENT : 14
EP1996775 B1	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20200325 YEAR OF FEE PAYMENT : 14
EP1996775 B1	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20200325 YEAR OF FEE PAYMENT : 14
EP1996775 B1	20200529	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20200327 YEAR OF FEE PAYMENT : 14
EP1996775 B1	20200630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20200327 YEAR OF FEE PAYMENT : 14
EP1996775 B1	20270301	PEXP		Calculated Patent Term Expiry	
GB200604364 A0	20070328	LSAS	COOA	CHANGE IN APPLICANT'S NAME OR OWNERSHIP OF THE APPLICATION	PARTYTYPE : OWNER OWNER : VERTEKA LTD OLDPARTY : FORMER APPLICANT(S): BOWERMAN, HUGH G
GB200604364 A0	20071003	LSWD	-AT	APPLICATIONS TERMINATED BEFORE PUBLICATION UNDER SECTION 16(1)	
GB2436841 A1	20071010	LSPB	+	published / reissued	
GB2436841 B2	20101215	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2436841 B2	20171129	LSLE	-PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	EFFECTIVE DATE : 20170301
GB2436841 B2	20270301	PEXP		Calculated Patent Term Expiry	
US2009064619 AA	20090312	LSPB	+	published / reissued	
US2009064619 AA	20150225	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US8978331 BB	20150317	LSGT	+	granted / extensions (spc, cpc, pte)	
US8978331 BB	20081008	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VERTEKA LTD., UNITED KINGDOM OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: BOWERMAN, HUGH GORDON; REEL/FRAME: 021689/0284 EFFECTIVE DATE : 20080901
US8978331 BB	20081028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VERTEKA LTD., UNITED KINGDOM OLDPARTY : CHANGE OF ASSIGNEE ADDRESS; ASSIGNOR: BOWERMAN, HUGH GORDON; REEL/FRAME: 021747/0833 EFFECTIVE DATE : 20081028
US8978331 BB	20150225	LSGT	PAT1	Patented Case	
US8978331 BB	20181105	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY

US8978331 BB	20190313	LSFE	FEPP	FEE PAYMENT PROCEDURE	STATUS OF PATENT OWNER : SMALL ENTITY TEXT : SURCHARGE FOR LATE PAYMENT, SMALL ENTITY (ORIGINAL EVENT CODE: M2554); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US8978331 BB	20190313	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8978331 BB	20280620	PEXP		Calculated Patent Term Expiry (PTA 477 days)	
WO07099321 A1	20070907	LSPB	+	published / reissued	
WO07099321 A1	20080904	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	REF COUNTRY CODE : DE
WO07099321 A1	20080922	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007705296 COUNTRY OF REF DOCUMENT : EP
WO07099321 A1	20081008	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 12224305 COUNTRY OF REF DOCUMENT : US

Title: DECORATIVE PLASTICS INTERIOR **BUILDING** BRICK - HAS PROJECTION ON UPPER SURFACE CORRESP. TO RECESSES IN BOTTOM WITH ALL EDGES CHAMFERED AND IMITATION STONE SURFACES

Abstract: The block is made of plastics and has a number of regular projections on the upper surface which correspond to recesses on the bottom of other blocks, allowing them to cooperate. Each block is chamfered on all sides so that interfitting blocks show a seam like joint. A 5 cm high partition is placed across the bottom of each block to form a rigid connection. The blocks can have imitation stone surfaces or a lower glass panel behind which a light source can be provided. The wall formed by such blocks can be wired up i.e. left to right or up and down or vice versa.

Classifications:

International (IPC 8-9): E04B2/18 (Advanced/Invention);

E04B2/02 (Advanced/Non-invention);

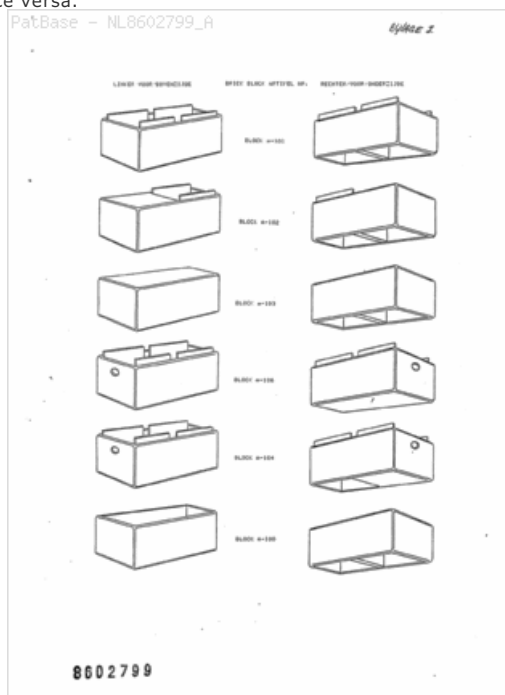
E04B2/14 (Core/Invention);

E04B2/02 (Core/Non-invention)

International (IPC 1-7): E04B2/18

CPC: E04B2/18 E04B2002/0204

European: E04B2/18 P04B2/02M1



Family:

Publication number	Publication date	Application number	Application date
NL8602799 A	19880601	NL19860002799	19861105

Priority:

NL19860002799 19861105

Probable Assignee: ROBERT JOHANNES KATERS

Assignee(s): (std): ROBERT JOHANNES KATERS

Assignee(s): ROBERT JOHANNES KATERS BROERSKAMP 10 TE 1991 BB VE ; ROBERT JOHANNES KATERS BROERSKAMP 10 TE 1991 BB VELSERBROEK

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
NL8602799 A	19880601	LSPB	+	published / reissued	
NL8602799 A	19930701	LSLE	-BV	THE PATENT APPLICATION HAS LAPSED	

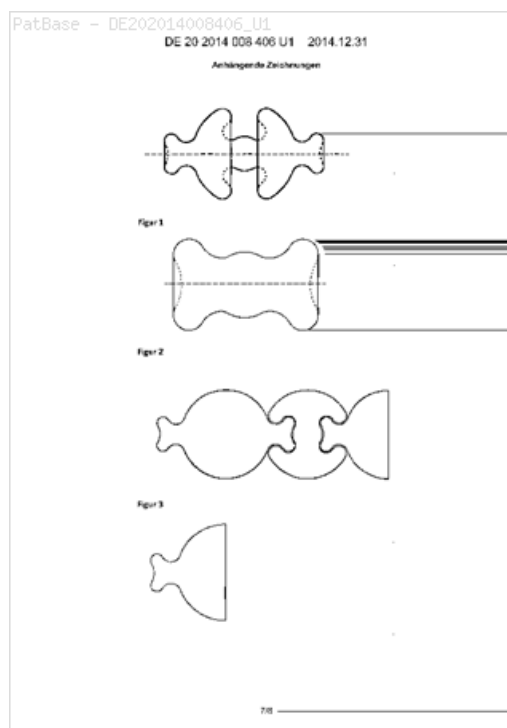
Title: FORMSCHLUESSIGE BEWEGLICHE ELEMENTE FORMSCHLUESSIGE MOVING ELEMENTS (Machine translation)

Abstract: Source: DE202014008406U1 [DE] Dreidimensionale Formkoerper aus sproed-harten und biegesteifen Werkstoffen, deren Oberflaechen solchermassen konkav und konvex gewoelbt sind, dass sie einen dreidimensionalen formschluessigen und Last tragenden Verbund eingehen. **Machine translation:** Three-dimensional Formkoerper from brittle-hard and rigid materials whose surfaces are concave and convex such extent that they enter into a three-dimensional formschluessigen and load bearing composite.

Classifications:

International (IPC 8-9): F16B17/00 (Advanced/Invention)

CPC: F16B5/0056 F16B3/00 F16B5/07



Family:

Publication number	Publication date	Application number	Application date
DE202014008406 U1	20141231	DE201420008406U	20141022

Priority:

DE201420008406U 20141022

Probable Assignee: TELLE RAINER

Assignee(s): (std): KRAMER MICHAEL ; TELLE RAINER ; ZHANG WEN

Assignee(s): ZHANG ; TELLE ; KRAMER

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
DE202014008406 U1	20141231	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202014008406 U1	20141022	LSLI	R086	NON-BINDING DECLARATION OF LICENSING INTEREST	
DE202014008406 U1	20141231	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20141231
DE202014008406 U1	20180312	LSGT	+R150	UTILITY MODEL MAINTAINED AFTER PAYMENT OF FIRST MAINTENANCE FEE AFTER THREE YEARS	
DE202014008406 U1	20241022	PEXP		Calculated Patent Term Expiry	

Title: A **BUILDING** UNIT.

Abstract: A **building** unit having projections and receiving cavities, normally used for toys, which is adapted for constructing real walls and the like by positioning a reinforcing envelope around the surfaces of a block of foamed material, like polystyrene foam, which surfaces are devoid of projections and cavities. That envelope may be a metal sheet or a tube of resilient material and is preferably coated with a coating to give a brick-like aspect to the **building** unit. Also the provision of a circumferentially extending bevel, attributes to that aspect.

Classifications:

International (IPC 8-9): A63H33/08 E04B2/02 E04B2/14

E04C 1/40 (Advanced/Invention);

E04B2/02 (Advanced/Non-invention);

A63H33/04 E04B2/02 E04B2/14 E04C 1/00 (Core/Invention);

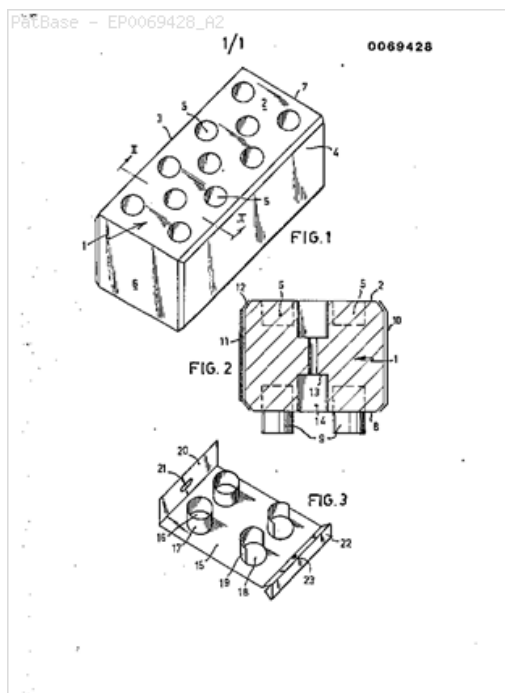
E04B2/02 (Core/Non-invention)

International (IPC 1-7): A63H33/08 E04C 1/04 E04C 1/06 E04C 1/10

E04C 1/4 E04C 1/40

CPC: E04B2/14 E04B2002/0223 E04C 1/40

European: E04B2/14 E04C 1/40 P04B2/02M1E4



Family:

Publication number	Publication date	Application number	Application date
AR229182 A1	19830630	AR19820289874	19820702
AU198285556 A1	19830106	AU19820085556	19820702
BR8203895 A	19831220	BR19820003895	19820702
DK299682 A	19830104	DK19820002996	19820702
EP0069428 A2	19830112	EP19820200824	19820702
EP0069428 A3	19830914	EP19820200824	19820702
ES268939 U	19830616	ES19820268939U	19821202
ES268939 Y	19831216	ES19820268939U	19821202
ES513698 A0	19841001	ES19820513698	19820703
ES8505524 A1	19841001	ES19820513698	19820703
GR76552 B	19840810	GR19820068626	19820702
GR76552 B	19840810	GR19820168626	19820702
HU185721 B	19850328	HU19820002181	19820702
IL66209 A0	19821130	IL19820066209	19820702
JP58013844 A2	19830126	JP19820115293	19820702
NL8103198 A	19830201	NL19810003198	19810703
NO822319 A	19830104	NO19820002319	19820702
NO822319 L	19830104	NO19820002319	19820702
PT75178 A	19820801	PT19820075178	19820702
PT75178 B	19840525	PT19820075178	19820702
RO86572 B	19851201	RO19820108052	19820703
RO86572 B1	19851201	RO19820108052	19820703
RO86572 P	19851220	RO19820108052	19820703
ZA8204729 A	19830427	ZA19820004729	19820702

Priority:

NL19810003198 19810703 NL19818103198 19810703

Probable Assignee: FRANSISCUS ANTHONIUS MARIA VAN

Assignee(s): (std): FRANSISCUS ANTHONIUS MARIA VAN ; FRANSISCUS ANTHONIUS MARIA VAN DER HEIJDEN TE VELD ; FURANSHISUKASU ANTONIASU MARIA ; HAIJDEN FRANSISCUS A M V D ; HAIJDEN FRANSISCUS A M VAN D ; HEIJDEN F A M V D ; HEIJDEN F A M VAN D ; HEIJDEN F A M VAN DER ; HEIJDEN F V D ; HEIJDEN FRANCISCUS ANTHONIUS MARIA VAN DER ; HEIJDEN FRANCISCUS ANTHONIUS MARIA VAN D ; HEIJDEN FRANCISCUS V D ; HEIJDEN FRANSISCUS ANTHONIUS MARIA VAN DER ; HEIJDEN VAN DER MARIA A F NL ; VAN DER HEIJDEN F ; VAN DER HAIJDEN FRANSISCUS A M

Assignee(s): HEIJDEN FRANCISCUS ANTHONIUS MARIE VAN D ; HEIJDEN FRANCISCUS VAN D ; HEIJDEN F VAN D ; VAN DER HEIJDEN F A M ; VAN DER HEIJDEN FRANCISCUS ; VAN DER HEIJDEN FRANSISCUS ANTHONIUS MARIA ; VAN DER HEIJDEN FRANSISCUS ANTHONIUS MARIE ; VAN DER HAIJDEN FRANSISCUS A M NL ; HEIJDEN VAN D MARIA AF ; HEIJDEN FRANSISCUS ANTHONIUS MARIA VAN D ; HEIJDEN FAM VAN D ; HEIJDEN FRANCISCUS ANTHONIUS MARIA VAN D ; HAIJDEN FRANSISCUS AM VAN D ; FURANSHISUKASU ANTONIASU MARIA BAN DERU HAIDEN ; FRANSISCUS ANTHONIUS MARIA VAN DER HEIJDEN TE VELDHOVEN ; FRANSISCUS ANTHONIUS MARIA VAN D HEIJDEN TE VELDHOVEN

Inventor(s): (std): HAIJDEN FRANSISCUS A M VAN D ; HEIJDEN F A M V D ; HEIJDEN F VAN D ; HEIJDEN F VAN DER ;

HEIJDEN VAN D MARIA A F ; HEIJDEN VAN DER MARIA A F ; HEIJDEN FRANSISCUS ANT VAN D ;
 HEIJDEN FRANSISCUS ANTHONIUS M ; VAN DER HEIJDEN FRANSISCUS ANT ; VAN DER HAIJDEN
 FRANSISCUS A M ; HEIJDEN VAN D MARIA AF ; HEIJDEN FRANSISCUS ANTHONIUS MARIA VAN D ;
 FURANSHISUKASU ANTONIASU MARIA ; DER HEIJDEN F A M VAN

Inventor(s): HEIJDEN FRANSISCUS ANTHONIUS MARIE VAN D ; HEIJDEN F A M VAN D ; VAN DER HEIJDEN
 FRANSISCUS ANTHONIUS MARIE ; VAN DER HAIJDEN FRANSISCUS A M NL ; HEIJDEN FRANSISCUS
 ANTHONIUS MARIA VAN DER ; HEIJDEN VAN DER MARIA A F NL ; VAN DER HEIJDEN F ; HEIJDEN
 FRANCISCUS ANTONIUS MARIA VAN D ; HEIJDEN F A M VAN DER ; HAIJDEN FRANSISCUS AM VAN D ;
 FRANSISCUS ANTHONIUS MARIA VAN D HEIJDEN ; FRANSISCUS ANTHONIUS MARIA VAN DER HEIJDEN
 ; FURANSHISUKASU ANTONIASU MARIA BAN DERU HAIDEN

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY
 LTD; GRIFFITH HACK

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AR229182 A1	19830630	LSGT	+	granted / extensions (spc, cpc, pte)	
AR229182 A1	20020702	PEXP		Calculated Patent Term Expiry	
AU198285556 A1	19830106	LSPB	+	published / reissued	
BR8203895 A	19831220	LSPB	+	published / reissued	
DK299682 A	19830104	LSPB	+	published / reissued	
DK299682 A	19850128	LSWD	-AHS	APPLICATION SHELVED FOR OTHER REASONS THAN NON-PAYMENT	
EP0069428 A2	19830112	LSPB	+	published / reissued	
EP0069428 A3	19840606	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19840312
EP0069428 A3	19850814	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 19850225
ES268939 U	19830616	LSPB	+	published / reissued	
ES268939 Y	19831216	LSGT	+	granted / extensions (spc, cpc, pte)	
ES268939 Y	19921202	PEXP		Calculated Patent Term Expiry	
ES8505524 A1	19841001	LSGT	+	granted / extensions (spc, cpc, pte)	
ES8505524 A1	20041001	PEXP		Calculated Patent Term Expiry	
GR76552 B	19840810	LSGT	+	granted / extensions (spc, cpc, pte)	
GR76552 B	19840810	LSGT	+	granted / extensions (spc, cpc, pte)	
GR76552 B	20020702	PEXP		Calculated Patent Term Expiry	
GR76552 B	20020702	PEXP		Calculated Patent Term Expiry	
HU185721 B	19850328	LSGT	+	granted / extensions (spc, cpc, pte)	
HU185721 B	20020702	PEXP		Calculated Patent Term Expiry	
JP58013844 A2	19830126	LSPB	+	published / reissued	
NL8103198 A	19830201	LSPB	+	published / reissued	
NL8103198 A	19830201	LSES	+A1B	A SEARCH REPORT HAS BEEN DRAWN UP	
NL8103198 A	19840301	LSLE	-BV	THE PATENT APPLICATION HAS LAPSED	
NO822319 A	19830104	LSPB	+	published / reissued	
PT75178 A	19820801	LSPB	+	published / reissued	
PT75178 B	19840525	LSGT	+	granted / extensions (spc, cpc, pte)	
PT75178 B	20020702	PEXP		Calculated Patent Term Expiry	
RO86572 B	19851201	LSGT	+	granted / extensions (spc, cpc, pte)	
RO86572 B	19970703	PEXP		Calculated Patent Term Expiry	
RO86572 B1	19851201	LSGT	+	granted / extensions (spc, cpc, pte)	
RO86572 B1	19970703	PEXP		Calculated Patent Term Expiry	
RO86572 P	19851220	LSPB	+	published / reissued	
ZA8204729 A	19830427	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA8204729 A	20020701	PEXP		Calculated Patent Term Expiry	

Title: BIOPOLYMER FORMULATIONS AND METHODS OF USE THEREOF

Abstract: A polymeric formulation for "green" **building** materials for replacement of end products commonly formed from a broad range of materials, such as concrete and mixes thereof, cement and mixes thereof, petrochemical based mixes and products thereof, rubber, plastic wood domestic and commercial shingles of all types including cedar wood and ceramic verities, flooring of all types including ceramic tiles, recreational vehicles for water use and sports such as boats, automobile components and bodies, electrical wire coatings, all types of pipes commonly used in the plumbing, gas and oil industries including the replacement of pipes traditionally formed from poly vinyl chloride formulations, bricks and all other forms of architectural structures to list but a few. A method by which a biopolymer can be generated using a process requiring no heat or any other form of energy using an ionized aqueous cure agent is sprayed over a molded gel.

Classifications:

International (IPC 8-9): C04B26/28 C08K3/16 C08K3/22 C08K3/34 C08K3/36 (Advanced/Invention); C04B103/00 (Advanced/Non-invention)

CPC: C04B26/28 C04B2103/0072 Y02W30/94 C04B14/303 C04B14/324 C04B18/146 C04B41/5012

US: 1/1 106/205.9

Family:

Publication number	Publication date	Application number	Application date
US2017121489 AA	20170504	US20150929725	20151102
US10662111 BB	20200526	US20150929725	20151102

Priority:

US20150929725 20151102

Probable Assignee: ADVANCED MOLAR INNOVATIONS INC

Assignee(s): (std): ADVANCED MOLAR INNOVATION INC ; DEBROUSE DANIEL ; ROCKWELL TERRENCE

Assignee(s): ADVANCED MOLAR INNOVATION LLC ; ADVANCED MOLAR INNOVATIONS INC

Inventor(s): (std): DEBROUSE DANIEL ; ROCKWELL TERRENCE

Agent(s): GRAHAM R WILLIAM

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US10662111 BB	20200526	LSGT	+	granted / extensions (spc, cpc, pte)	
US10662111 BB	20370403	PEXP		Calculated Patent Term Expiry (PTA 518 days)	
US2017121489 AA	20170504	LSPB	+	published / reissued	
US2017121489 AA	20151102	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ADVANCED MOLAR INNOVATION, LLC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DEBROUSE, DANIEL; ROCKWELL, TERRENCE; REEL/FRAME:036935/0960 EFFECTIVE DATE : 20151023
US2017121489 AA	20170405	LSSES	NFA1	Non Final Action Mailed	
US2017121489 AA	20180325	LSSES	ADV2	Advisory Action Counted, Not Yet Mailed	
US2017121489 AA	20181023	LSAL	APL5	On Appeal -- Awaiting Decision by the Board of Appeals	
US2017121489 AA	20181023	LSAL	STCV	INFORMATION ON STATUS: APPEAL PROCEDURE	TEXT : ON APPEAL -- AWAITING DECISION BY THE BOARD OF APPEALS
US2017121489 AA	20191119	LSAL	BDR1	Board of Appeals Decision Rendered	
US2017121489 AA	20191119	LSAL	STCV	INFORMATION ON STATUS: APPEAL PROCEDURE	TEXT : BOARD OF APPEALS DECISION RENDERED
US2017121489 AA	20200128	LSSES	+NAM1	Notice of Allowance Mailed - Application Received in Office of Publications	
US2017121489 AA	20200417	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ADVANCED MOLAR INNOVATIONS, INC., WYOMING OLDPARTY : CHANGE OF NAME; ASSIGNOR:ADVANCED MOLAR

					INNOVATIONS LLC; REEL/FRAME:052547/0923 EFFECTIVE DATE : 20180301
US2017121489 AA	20200417	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ADVANCED MOLAR INNOVATION, INC., WYOMING OLDPARTY : CHANGE OF NAME; ASSIGNOR:ADVANCED MOLAR INNOVATION LLC; REEL/FRAME:052631/0867 EFFECTIVE DATE : 20180301
US2017121489 AA	20200421	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2017121489 AA	20200506	LSGT	PAT1	Patented Case	
US2017121489 AA	20200506	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

Title: BALLON/HEISSLUFTBALLON/ZEPPELIN/BALLON BZW. HEISSLUFTBALLON/ZEPPELIN-KOMBINATION AUS EINEM ODER MEHREREN AUFTRIEBSKOERPERN ZU EINEM GESAMTSYSTEM BALLOON / HOT AIR BALLOON / ZEPPELIN / BALLOON OR HOT AIR BALLOON / ZEPPELIN COMBINATION OF ONE OR MORE AUFTRIEBSKOERPERN TO A TOTAL SYSTEM (Machine translation)

Abstract: Source: DE102013011861A1 [DE] Die Erfindung betrifft eine Ballon-/Heissluftballon-/Zeppelinkombination aus einem oder mehreren Auftriebskoerpern mit Navigationssystemen, Heckflossen, zwei oder mehr Fluegeln, zwei oder mehr in alle Richtungen drehbaren Propellern und/oder Fuehrer- bzw. Transportkabine/n, Behaelter und Maschinen. **Machine translation:** The invention relates to a balloon / hot air balloon / Zeppelin combination of one or more Auftriebskoerpern with navigation systems, tail fins, two or more wings, two or more in all directions rotating propellers and / or driver's cab or transport / n, Cases and machines.

Classifications:

International (IPC 8-9): B64B1/00 (Advanced/Invention)

CPC: B64B1/58

Family:

Publication number	Publication date	Application number	Application date
DE102013011861 A1	20150122	DE201310011861	20130716

Priority:

DE201310011861 20130716

Probable Assignee:

BALTER HORST

Assignee(s): (std):

BALTER HORST

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE102013011861 A1	20150122	LSPB	+	published / reissued	
DE102013011861 A1	20130716	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	
DE102013011861 A1	20130716	LSLI	R086	NON-BINDING DECLARATION OF LICENSING INTEREST	
DE102013011861 A1	20140714	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE102013011861 A1	20150817	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	

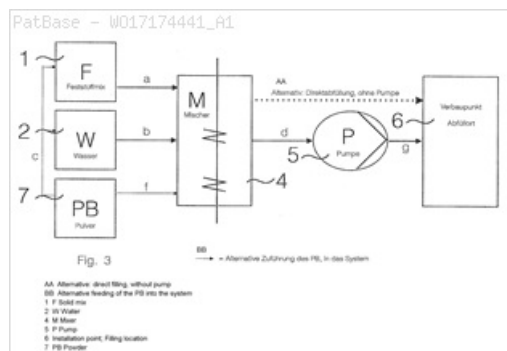
Title: FOAMING AGENT AND METHOD FOR FOAMING AND STABILIZING FOAMS FOR CONSTRUCTION MATERIALS CONTAINING AIR PORES

Abstract: The invention relates to a foaming agent for foaming a binder glue or a **building**-material slurry for producing construction materials containing air pores, in particular filling materials, lightweight-construction materials, and insulating materials, consisting of a) 0.1 to 65.0 wt percent of ionic, preferably anionic, foam-forming surfactant; b) 0.05 to 9.0 wt percent of at least one compound ELF-HG which is solid at room temperature, selected from the group consisting of ethoxylated long-chain fatty alcohols, ethoxylated natural resins, ethoxylated synthetic resins, and ethoxylated glycols; c) 0 to 9.0 wt percent of fatty alcohol having a chain length of C10 to C18, preferably C12 to C16; d) 0.1 to 60.0 wt percent of solvent, selected from the group of vicinal diols having 1 to 6 C atoms, diethylene glycol, triethylene glycol, and diethylene glycol ethers; e) 0 to 20 wt percent of organic additives; f) 0 to 20 wt percent of pH regulators; g) 0 to 99.75 wt percent of water, wherein the mixture results in 100 wt percent in total.

Classifications:

International (IPC 8-9): C04B24/02 C04B24/32 C04B38/10 C04B40/00 (Advanced/Invention)

CPC: C04B24/32 C04B24/02 C04B40/0039 C04B2111/00663 C04B2111/28 C04B2111/30 C04B2111/40


Family:

Publication number	Publication date	Application number	Application date
CA3019442 AA	20180928	CA20173019442	20170330
DE102016106196 A1	20171005	DE201610106196	20160405
DE102016106196 B4	20171019	DE201610106196	20160405
EP3440029 A1	20190213	EP20170714734	20170330
IN201817039276 A	20190125	IN201817039276	20181016
MX2018012034 A1	20190328	MX20180012034	20170330
WO17174441 A1	20171012	WO2017EP57587	20170330

Priority:

DE201610106196 20160405 WO2017EP57587 20170330

Probable Assignee: ML 7 ENTW GMBH

Assignee(s): (std): ML 7 ENTW GMBH ; ML 7 ENTWICKLUNGS GMBH

Assignee(s): LUBNITZ MICHAEL

Inventor(s): (std): ML 7 ENTWICKLUNGS GMBH ; LUEBNITZ MICHAEL ; LUBNITZ MICHAEL ; MICHAEL LUEBNITZ

Inventor(s): LBNITZ MICHAEL

Agent(s): ROBIC ; STORK BAMBERGER PATENTANWAELTE PARTMBB

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CA3019442 AA	20180928	LSPB	+	published / reissued	
DE102016106196 A1	20171005	LSPB	+	published / reissued	
DE102016106196 A1	20160405	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	
DE102016106196 A1	20170712	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION	
DE102016106196 A1	20170818	LSGT	+R018	GRANT DECISION BY EXAMINATION SECTION/EXAMINING DIVISION	
DE102016106196 B4	20171019	LSGT	+	granted / extensions (spc, cpc, pte)	
DE102016106196 B4	20180720	LSGT	+R020	PATENT GRANT NOW FINAL	
DE102016106196 B4	20360405	PEXP		Calculated Patent Term Expiry	
EP3440029 A1	20190213	LSPB	+	published / reissued	
EP3440029 A1	20190213	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20181025

EP3440029 A1	20200304	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20200130
IN201817039276 A	20190125	LSPB	+	published / reissued	
MX2018012034 A1	20190328	LSPB	+	published / reissued	
WO17174441 A1	20171012	LSPB	+	published / reissued	
WO17174441 A1	20180928	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 3019442 COUNTRY OF REF DOCUMENT : CA
WO17174441 A1	20181002	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2018/012034 COUNTRY OF REF DOCUMENT : MX
WO17174441 A1	20181006	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	REF COUNTRY CODE : DE
WO17174441 A1	20181105	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2017714734 COUNTRY OF REF DOCUMENT : EP
WO17174441 A1	20181116	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2017714734 COUNTRY OF REF DOCUMENT : EP EFFECTIVE DATE : 20181105

Title: DEVICE FOR SUPPORTING PHOTOVOLTAIC CELL PANELS, SUPPORT SYSTEM AND INSTALLED ASSEMBLY

Abstract: Device for supporting photovoltaic cell panels, which is formed from a section with a height between 5 and 25 cm, comprising a central portion (1), two gutters (2) symmetrical with respect to the support and running along the section over the entire length thereof, a retaining rail (3) at the base, fastening means (4), for fastening two photovoltaic cell panels (5), a thermal insulation, and a complementary sealing device.

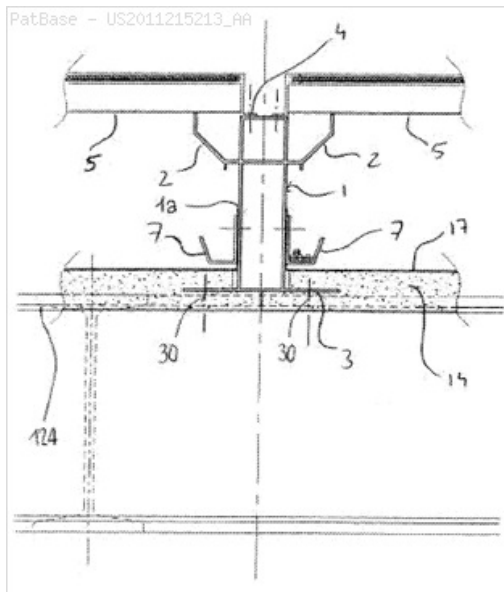
Classifications:

International (IPC 8-9): A01G9/14 A01G9/24 A47B97/00 E04B1/343 E04B1/346 E04D13/18 E04D3/40 E04F13/072 F24J2/52 F24S20/66 F24S20/67 F24S25/12 F24S25/13 F24S25/35 F24S25/636 F24S30/425 F24S40/20 F24S40/44 G05B15/02 G05D3/10 H01L23/12 H01L31/048 H01L31/052 H02S20/22 H02S20/23 H02S20/24 H02S20/26 H02S20/32 H02S30/10 H02S30/20 H02S40/44 (Advanced/Invention); F24S25/00 (Advanced/Non-invention); E04D13/18 F24J2/00 H01L31/048 (Core/Invention)

CPC: E04D3/40 E04F13/072 H02S20/23 B25J9/00 Y02A30/62 Y02A40/266 A01G9/243 Y02P60/124 F24S25/20 F24S20/70 F24S30/422 F24S2030/133 F24S2030/134 F24S2030/145 F24S25/634 F24S80/60 F24S2020/11 F24S2020/17 F24S2025/014 F24S25/61 G05B15/02 G05B22/19/2642 H02S40/44 F24S20/66 F24S20/67 F24S25/12 F24S25/13 F24S25/35 F24S25/636 F24S40/20 F24S40/44 F24S2025/013 F24S2025/021 F24S2025/801 F24S2025/804 F24S2025/807 F24S2201/00 H01L31/0521 H02S20/22 H02S20/26 Y02B10/12 Y02B10/20 Y02E10/44 Y02E10/47 Y02E10/50 H02S30/10 H02S20/24 H02S20/32 E04H6/025 G05D3/105 E04B1/34363 H02S30/20 F24S30/425 E04H6/04 E04H6/42 E04B7/163 F24S20/50 F24S40/00 F24S2030/115 F24S2030/16 F24S25/617 F24S50/60 F24S2025/018

European: F24J2/46B18B F24J2/52A4B4 F24J2/52A4E H01L31/048B R24J2/52A4P4 R24J2/52P24 Y02B10/12 Y02B10/20 Y02E10/47 Y02E10/50

US: 1/1 248/228.2 248/309.1 248/309.100P 248/316.4 248/500 47/17 52/1 52/173.1 52/173.3 52/65 52/741.1 700/275 901/50



Family:

Publication number	Publication date	Application number	Application date
EP2366196 A1	20110921	EP20090793554	20091117
FR2938566 A1	20100521	FR20080006419	20081117
FR2938566 B1	20120113	FR20080006419	20081117
US2011215213 AA	20110908	US20090129378	20091117
US2013139468 AA	20130606	US20130760965	20130206
US2014041321 AA	20140213	US20130831496	20130314
US2014259899 AA	20140918	US20140217288	20140317
US2014288714 AA	20140925	US20140217427	20140317
US2016365825 AA	20161215	US20150970431	20151215
US2019140580 AA	20190509	US20180237517	20181231
US2020036325 AA	20200130	US20190505537	20190708
US8794583 BB	20140805	US20090129378	20091117
US10277159 BB	20190430	US20150970431	20151215
WO10055235 A1	20100520	WO2009FR01322	20091117
WO14145988 A1	20140918	WO2014US30855	20140317
WO14145988 A9	20141113	WO2014US30855	20140317
WO14146046 A1	20140918	WO2014US30922	20140317
WO14159566 A1	20141002	WO2014US24219	20140312
WO20010360 A1	20200109	WO2019US40884	20190708

Priority:

FR20080006419	20081117	WO2009FR01322	20091117	US20110129378	20110513
US20130760965	20130206	US20130831496	20130314	US20130801089P	20130315
US20130789607P	20130315	US20140217427	20140317	US20140217288	20140317
US20140092793P	20141216	US20150970431	20151215	US20180694835P	20180706
US20180237517	20181231	US20190505537	20190708		

Probable Assignee: KBFX LLC

Assignee(s): (std): KBFX LLC ; POIVET ALAIN ; CHAMEAU ERIC

Assignee(s): ALAIN POIVET ; ERIC CHAMEAU

Inventor(s): (std): POIVET ALAIN ; CHAMEAU ERIC

Inventor(s): ALAIN POIVET ; ERIC CHAMEAU

Agent(s): CASALONGA AXEL; NOVAGRAAF TECHNOLOGIES; NOVAGRAAF IP; SHEPPARD MULLIN RICHTER AND HAMPTON LLP; TAN CARINA M; SOCKOL MARC A 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 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

Legal status (INPADOC)

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Patent **Date recorded** **Event group** **Code** **Event** **Details**

EP2366196 A1	20110921	LSPB	+	published / reissued	
EP2366196 A1	20110921	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20110617
EP2366196 A1	20141105	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20140603
FR2938566 A1	20100521	LSPB	+	published / reissued	
FR2938566 A1	20110819	LSAS	TP	TRANSMISSION OF PROPERTY	
FR2938566 B1	20120113	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2938566 B1	20140801	LSAS	TP	TRANSMISSION OF PROPERTY	PARTYTYPE : OWNER OWNER : KBFX LLC, US EFFECTIVE DATE : 20140623
FR2938566 B1	20151125	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
FR2938566 B1	20161102	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 9
FR2938566 B1	20171130	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 10
FR2938566 B1	20181130	LSFE	PLFP	Fee Payment (FEE PAYMENT)	PAYMENT DATE : 20181130 YEAR OF FEE PAYMENT : 11
FR2938566 B1	20191128	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
FR2938566 B1	20281117	PEXP		Calculated Patent Term Expiry	
US10277159 BB	20190430	LSGT	+	granted / extensions (spc, cpc, pte)	
US10277159 BB	20160113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBFX LLC, DELAWARE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:POIVET, ALAIN; REEL/FRAME:037509/0210 EFFECTIVE DATE : 20151215
US10277159 BB	20190410	LSGT	PAT1	Patented Case	
US10277159 BB	20190903	LSRE	CC	CERTIFICATE OF CORRECTION	
US10277159 BB	20351215	PEXP		Calculated Patent Term Expiry	
US2011215213 AA	20110908	LSPB	+	published / reissued	
US2011215213 AA	20130815	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : POIVET, ALAIN, FRANCE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CHAMEAU, ERIC; REEL/FRAME:031030/0330 EFFECTIVE DATE : 20110511
US2011215213 AA	20140617	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBFX LLC, DELAWARE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:POIVET, ALAIN; REEL/FRAME:033122/0206 EFFECTIVE DATE : 20140616
US2011215213 AA	20140716	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2013139468 AA	20130606	LSPB	+	published / reissued	
US2013139468 AA	20140617	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBFX LLC, DELAWARE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:POIVET, ALAIN; REEL/FRAME:033122/0206 EFFECTIVE DATE : 20140616
US2013139468 AA	20170622	LSWD	-ABD3	Abandoned --	

					Failure to Respond to an Office Action
US2014041321 AA	20140213	LSPB	+	published / reissued	
US2014041321 AA	20140617	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBFX LLC, DELAWARE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:POIVET, ALAIN; REEL/FRAME:033122/0206 EFFECTIVE DATE : 20140616
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US2014041321 AA	20170914	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2014259899 AA	20140918	LSPB	+	published / reissued	
US2014259899 AA	20140617	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBFX LLC, DELAWARE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:POIVET, ALAIN; REEL/FRAME:033122/0206 EFFECTIVE DATE : 20140616
US2014259899 AA	20150828	LSSES	NFA1	Non Final Action Mailed	
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US2014259899 AA	20180430	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2014288714 AA	20140925	LSPB	+	published / reissued	
US2014288714 AA	20140617	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBFX LLC, DELAWARE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:POIVET, ALAIN; REEL/FRAME:033122/0206 EFFECTIVE DATE : 20140616
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US2016365825 AA	20161215	LSPB	+	published / reissued	
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US2016365825 AA	20170628	LSSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2016365825 AA	20170703	LSSES	NFA1	Non Final Action Mailed	
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US2016365825 AA	20190325	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016365825 AA	20190410	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

US2019140580 AA	20190509	LSPB	+	published / reissued	
US2019140580 AA	20181231	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBFX LLC, DELAWARE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:POIVET, ALAIN; REEL/FRAME:047999/0405 EFFECTIVE DATE : 20151215
US2019140580 AA	20191112	LSES	NFA1	Non Final Action Mailed	
US2019140580 AA	20200306	LSES	NFA1	Non Final Action Mailed	
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US2020036325 AA	20191204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBFX LLC, DELAWARE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:POIVET, ALAIN; REEL/FRAME:051178/0956 EFFECTIVE DATE : 20191204
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WO20010360 A1	20200109	LSPB	+	published / reissued	

Title: MORTAR PACK FOR CONSTRUCTION OF STONE **BUILDINGS** AND STRUCTURES TAKES THE FORM OF A CONTAINER WHICH IS MADE OF A NET LIKE MATERIAL, AND IS FILLED EITHER WITH A DRY MIXTURE OF MORTAR MATERIAL, OR WITH WET, READY-FOR-USE MORTAR

Abstract: The mortar pack for construction of **buildings** and structures of (primarily artificial) stone takes the form of a container which is made of a net like material, and is filled either with a dry mixture of mortar material, or with wet, ready-for-use mortar.

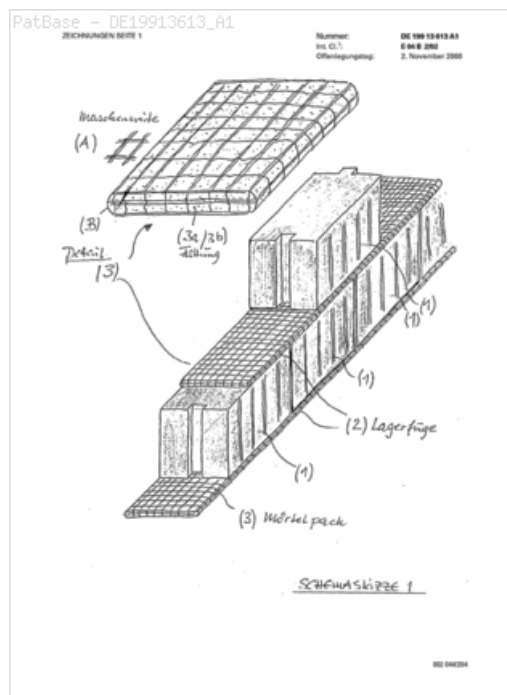
Classifications:

International (IPC 8-9): E04B2/02 (Advanced/Invention); E04B2/02 (Core/Invention)

International (IPC 1-7): E04B2/02

CPC: E04G21/203 E04B2/02 E04B2002/0276

European: E04B2/02 P04B2/02N8A



Family:

Publication number	Publication date	Application number	Application date
DE19913613 A1	20001102	DE19991013613	19990325

Priority:

DE19991013613 19990325

Probable Assignee:

SCHORR CLAUS PETER

Assignee(s): (std):

SCHORR CLAUS PETER

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
DE19913613 A1	20001102	LSPB	+	published / reissued	
DE19913613 A1	20001102	LSSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE19913613 A1	20010823	LSRV	-8131	REJECTION	

Title: METHODS AND COMPOSITIONS FOR CONCRETE PRODUCTION

Abstract: The invention provides compositions and methods directed to carbonation of a cement mix during mixing. The carbonation may be controlled by one or more feedback mechanisms to adjust carbon dioxide delivery based on one or more characteristics of the mix or other aspects of the mixing operation.

Classifications:

International (IPC 8-9): B01F13/00 B01F15/00 B01F15/02 B01F15/04

B01F3/04 B01F5/06 B01F7/02 B01F7/04 B01F9/00 B28B1/00
B28B1/26 B28C3/00 B28C5/00 B28C5/02 B28C5/08 B28C5/18
B28C5/42 B28C5/46 B28C7/02 B28C7/04 B28C7/12 B28C9/00
B29B7/60 B60P3/16 B65G53/32 C04B12/00 C04B14/28 C04B2/10
C04B22/00 C04B22/06 C04B22/10 C04B28/02 C04B28/04
C04B28/14 C04B40/00 C04B40/02 C04B7/02 C04B7/26 G01F1/00
G01F1/74 G01F1/86 G05B15/02 G05D7/06

H04L29/08 (Advanced/Invention);

C04B111/00 C04B28/00 C04B32/00 C04B7/00

C04B7/34 (Advanced/Non-invention)

CPC: G01F1/00 C04B28/02 B29B7/603 B28C5/468 B28C7/0418 B28C5/18 G05B15/02 H04L67/12 C04B12/00 B01F15/00136

B01F15/00162 B01F15/00175 B01F2215/0047 B28C7/12 C04B7/02 B01F3/04531 B01F15/0408 G01F1/86 B28C5/4237

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B28C5/462 B28C7/024 B28C7/04 C04B28/04 C04B40/0231 Y02P40/146 Y02P40/18 C04B7/26

US: 1/1 106/638 106/709 106/735 137/561R 264/40.1 366/10 366/12 366/2 366/3 700/265 702/47 709/204

**Family:**

Publication number	Publication date	Application number	Application date
BR112017010897 A2	20180206	BR20171110897	20151124
CA2902239 AA	20150824	CA20142902239	20140625
CA2945060 AA	20161006	CA20152945060	20150309
CA2968246 AA	20170518	CA20152968246	20151124
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EP3013544 A1	20160504	EP20140818442	20140625
EP3013544 A4	20170222	EP20140818442	20140625
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EP3131723 A1	20170222	EP20150780122	20150416
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EP3224012 A1	20171004	EP20150862209	20151124
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US2015232381 AA	20150820	US20150701456	20150430
US2016001462 AA	20160107	US20150796751	20150710
US2016107939 AA	20160421	US20150950288	20151124
US2016185662 A9	20160630	US20150701456	20150430
US2016272542 AA	20160922	US20160157205	20160517
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US2018029934 AA	20180201	US20170650524	20170714
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US10246379 BB	20190402	US20160170018	20160601
US10350787 BB	20190716	US20160240954	20160818
WO14205577 A1	20141231	WO2014CA50611	20140625
WO15123769 A1	20150827	WO2015CA50118	20150218
WO15154162 A1	20151015	WO2015CA00158	20150309
WO15157867 A1	20151022	WO2015CA50318	20150416
WO16082030 A1	20160602	WO2015CA51220	20151124

Priority:

US20130839312P 20130625

US20140925100P 20140108

US20140249308 20140409

CA20142902239 20140625

US20130847254P 20130717

US20140938063P 20140210

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US20190249012	20190116				

Probable Assignee: CARBONCURE TECHNOLOGIES INC

Assignee(s): (std): CARBONCURE TECH INC ; CARBONCURE TECHNOLOGIES INC

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Inventor(s): DEAN PAUL ; CAIL ; BROWN JOSHUA JEREMY LOWER SACKVILLE ; BROWN ; GEORGE SEAN ; FORGERON DEAN PAUL WHITE S LAKE ; FORGERON ; JOSHUA JEREMY ; KEVIN ; MARK ; MACDONALD ; PAUL J ; MONKMAN GEORGE SEAN MONTREAL ; MONKMAN ; SANDBERG PAUL J BEVERLY ; SANDBERG

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; MARGARITA CASTELLANOS ABONDANO; ROQUES SARAH ELIZABETH; J A KEMP LLP; CLARK ANDREW PETER; J A KEMP; WILSON SONSINI GOODRICH AND ROSATI; WILSON SONCINI GOODRICH AND ROSATI; BENEY STEPHEN

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
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CA2902239 AA	20160727	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160721
CA2902239 AA	20181029	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20180917
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CA2968246 AA	20170518	LSPB	+	published / reissued	
CA2979471 AA	20141231	LSPB	+	published / reissued	
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EP3013544 A1	20160504	LSPB	+	published / reissued	
EP3013544 A1	20160504	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20160106
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EP3013544 A4	20180822	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20180723
EP3013544 A4	20190731	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20190704
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					extensions (spc, cpc, pte)
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Expiry					
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EP3129753 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190605
EP3129753 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190905
EP3129753 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190605
EP3129753 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190605
EP3129753 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE

EP3129753 B1	20191129	LSLE	-PG25	STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20190605
EP3129753 B1	20191129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20190906
EP3129753 B1	20191129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20190905
EP3129753 B1	20191129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20190605
EP3129753 B1	20191129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20190605
EP3129753 B1	20200115	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 1139536 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20190605
EP3129753 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20190605
EP3129753 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20190605
EP3129753 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20190605
EP3129753 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20190605
EP3129753 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20191007
EP3129753 B1	20200131	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : SK

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190605
EP3129753 B1	20200228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190605
EP3129753 B1	20200228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190605
EP3129753 B1	20200228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20191005
EP3129753 B1	20200306	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602015031456 COUNTRY OF REF DOCUMENT : DE
EP3129753 B1	20200331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190605
EP3129753 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190605
EP3129753 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190605
EP3129753 B1	20200513	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20200306
EP3129753 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190605
EP3129753 B1	20350309	PEXP		Calculated Patent Term Expiry	
EP3131723 A1	20170222	LSPB	+	published / reissued	
EP3131723 A1	20170222	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20160926
EP3131723 A4	20171227	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20171129
EP3131723 A4	20190710	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20190611

DESPATCHED					
EP3131723 A4	20190821	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC.
EP3224012 A1	20171004	LSPB	+	published / reissued	
EP3224012 A1	20171004	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20170623
EP3224012 A4	20181107	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20181008
EP3224012 A4	20190821	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC.
EP3224012 A4	20191009	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20190904
MX2017006746 A1	20180213	LSPB	+	published / reissued	
US10246379 BB	20190402	LSGT	+	granted / extensions (spc, cpc, pte)	
US10246379 BB	20160714	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:NIVEN, ROBERT; MONKMAN, GEORGE SEAN; FORGERON, DEAN PAUL; AND OTHERS; SIGNING DATES FROM 20160606 TO 20160711; REEL/FRAME:039156/0687
US10246379 BB	20190313	LSGT	PAT1	Patented Case	
US10246379 BB	20370522	PEXP		Calculated Patent Term Expiry (PTA 355 days and a terminal disclaimer has been filed)	
US10350787 BB	20190716	LSGT	+	granted / extensions (spc, cpc, pte)	
US10350787 BB	20161111	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FORGERON, DEAN PAUL; MONKMAN, GEORGE SEAN; BROWN, JOSHUA JEREMY; AND OTHERS; SIGNING DATES FROM 20160825 TO 20161101; REEL/FRAME:040284/0572
US10350787 BB	20190626	LSGT	PAT1	Patented Case	
US10350787 BB	20370321	PEXP		Calculated Patent Term Expiry (PTA 215 days)	
US2014373755 AA	20141225	LSPB	+	published / reissued	
US2014373755 AA	20150729	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015197447 AA	20150716	LSPB	+	published / reissued	
US2015197447 AA	20151027	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE NAME AND PLACE OF INCORPORATION PREVIOUSLY RECORDED ON REEL 035368 FRAME 0818. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNEE NAME IS CARBONCURE TECHNOLOGIES INC. AND ASSIGNEE IS NOT A CORPORATION OF THE STATE OF NEVADA; ASSIGNORS:FORGERON, DEAN

					PAUL; BROWN, JOSHUA JEREMY; MONKMAN, GEORGE SEAN; AND OTHERS; REEL/FRAME:036977/0021 EFFECTIVE DATE : 20150316
US2015197447 AA	20160608	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2015232381 AA	20150820	LSPB	+	published / reissued	
US2015232381 AA	20151027	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE PLACE OF INCORPORATION AND FILING OFFICE OF APPLICATION PREVIOUSLY RECORDED ON REEL 035815 FRAME 0351. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT; ASSIGNORS:NIVEN, ROBERT; MONKMAN, GEORGE SEAN; FORGERON, DEAN PAUL; AND OTHERS; SIGNING DATES FROM 20150601 TO 20150605; REEL/FRAME:036967/0959
US2015232381 AA	20160622	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2016001462 AA	20160107	LSPB	+	published / reissued	
US2016001462 AA	20160921	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2016107939 AA	20160421	LSPB	+	published / reissued	
US2016107939 AA	20160531	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MONKMAN, GEORGE SEAN; CAIL, KEVIN; SANDBERG, PAUL J.; AND OTHERS; SIGNING DATES FROM 20151214 TO 20151218; REEL/FRAME:038753/0343
US2016107939 AA	20161126	LSAL	NAF1	Notice of Appeal Filed	
US2016107939 AA	20161126	LSAL	NAF1	Notice of Appeal Filed	
US2016107939 AA	20171003	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2016272542 AA	20160922	LSPB	+	published / reissued	
US2016272542 AA	20170404	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MONKMAN, GEORGE SEAN; CAIL, KEVIN; SANDBERG, PAUL J.; AND OTHERS; SIGNING DATES FROM 20170314 TO 20170321; REEL/FRAME:041844/0706
US2016272542 AA	20170412	LSER	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016272542 AA	20170609	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2016272542 AA	20170612	LSER	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	

US2016272542 AA	20170701	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2016272542 AA	20170703	LSSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016272542 AA	20170714	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2016272542 AA	20170715	LSFE	+AWA2	Awaiting TC Resp, Issue Fee Payment Received	
US2016272542 AA	20170717	LSFE	+AWA3	Awaiting TC Resp, Issue Fee Payment Verified	
US2016272542 AA	20170717	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016272542 AA	20170802	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2016280610 AA	20160929	LSPB	+	published / reissued	
US2016280610 AA	20170420	LSSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016280610 AA	20170608	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2016280610 AA	20170619	LSSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016280610 AA	20170721	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2016280610 AA	20170725	LSFE	+AWA3	Awaiting TC Resp, Issue Fee Payment Verified	
US2016280610 AA	20170728	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016280610 AA	20170823	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2016340253 AA	20161124	LSPB	+	published / reissued	
US2016340253 AA	20161208	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FORGERON, DEAN PAUL; MONKMAN, GEORGE SEAN; CAIL, KEVIN; AND OTHERS; REEL/FRAME:040866/0773 EFFECTIVE DATE : 20140505
US2016340253 AA	20170724	LSSES	ADV1	Advisory Action Mailed	
US2016340253 AA	20171013	LSSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2016340253 AA	20171017	LSSES	NFA1	Non Final Action Mailed	
US2016340253 AA	20180525	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2016355442 AA	20161208	LSPB	+	published / reissued	

US2016355442 AA	20190118	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2016355442 AA	20190125	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016355442 AA	20190313	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2017036372 AA	20170209	LSPB	+	published / reissued	
US2017036372 AA	20170117	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SANDBERG, PAUL J.; MONKMAN, GEORGE SEAN; CAIL, KEVIN; AND OTHERS; SIGNING DATES FROM 20161114 TO 20161201; REEL/FRAME:040982/0954
US2017036372 AA	20190122	LSES	NFA1	Non Final Action Mailed	
US2017036372 AA	20200225	LSES	NFA1	Non Final Action Mailed	
US2017043499 AA	20170216	LSPB	+	published / reissued	
US2017043499 AA	20180601	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2017043499 AA	20180605	LSES	NFA1	Non Final Action Mailed	
US2017043499 AA	20190301	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017043499 AA	20190415	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017043499 AA	20190529	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2017043499 AA	20190626	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2018022654 AA	20180125	LSPB	+	published / reissued	
US2018022654 AA	20170912	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FORGERON, DEAN PAUL; BROWN, JOSHUA JEREMY; MONKMAN, GEORGE SEAN; AND OTHERS; REEL/FRAME:043559/0937 EFFECTIVE DATE : 20150316
US2018022654 AA	20200611	LSES	NFA1	Non Final Action Mailed	
US2018029934 AA	20180201	LSPB	+	published / reissued	
US2018029934 AA	20170912	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MONKMAN, GEORGE SEAN; CAIL, KEVIN; SANDBERG, PAUL J.; AND OTHERS; SIGNING DATES FROM 20170314 TO 20170321; REEL/FRAME:043559/0741
US2018029934 AA	20190228	LSES	NFA1	Non Final Action Mailed	

US2018029934 AA	20190514	LSSES	NFA1	Non Final Action Mailed	
US2018029934 AA	20190913	LSSES	NFA1	Non Final Action Mailed	
US2018118622 AA	20180503	LSPB	+	published / reissued	
US2018118622 AA	20171020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MONKMAN, GEORGE SEAN; CAIL, KEVIN; SANDBERG, PAUL J.; AND OTHERS; SIGNING DATES FROM 20170314 TO 20170321; REEL/FRAME:043911/0648
US2018118622 AA	20180510	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE SPELLING OF THE SIXTH INVENTOR'S NAME PREVIOUSLY RECORDED ON REEL 043911 FRAME 0648. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT; ASSIGNORS:MONKMAN, GEORGE SEAN; CAIL, KEVIN; SANDBERG, PAUL J.; AND OTHERS; SIGNING DATES FROM 20170314 TO 20170321; REEL/FRAME:046118/0416
US2018118622 AA	20200210	LSSES	NFA1	Non Final Action Mailed	
US2018118622 AA	20200506	LSSES	NFA1	Non Final Action Mailed	
US2020165170 AA	20200528	LSPB	+	published / reissued	
US2020165170 AA	20190424	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:NIVEN, ROBERT; MONKMAN, GEORGE SEAN; FORGERON, DEAN PAUL; AND OTHERS; SIGNING DATES FROM 20150601 TO 20150605; REEL/FRAME:048981/0416
US9108883 BB	20150818	LSGT	+	granted / extensions (spc, cpc, pte)	
US9108883 BB	20140507	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES, INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FORGERON, DEAN PAUL; MONKMAN, GEORGE SEAN; CAIL, KEVIN; AND OTHERS; REEL/FRAME:032839/0013 EFFECTIVE DATE : 20140505
US9108883 BB	20140718	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE RECEIVING PARTY DATA PREVIOUSLY RECORDED ON REEL 032839 FRAME 0013. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT; ASSIGNORS:FORGERON, DEAN PAUL; MONKMAN, GEORGE SEAN; CAIL, KEVIN; AND OTHERS; REEL/FRAME:033359/0085 EFFECTIVE DATE : 20140505
US9108883 BB	20150729	LSGT	PAT1	Patented Case	
US9108883 BB	20190218	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9108883 BB	20340409	PEXP		Calculated Patent Term Expiry	
US9376345 BB	20160628	LSGT	+	granted / extensions (spc,	

US9376345 BB	20150409	LSAS	AS	cpc, pte) ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES, INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FORGERON, DEAN PAUL; BROWN, JOSHUA JEREMY; MONKMAN, GEORGE SEAN; AND OTHERS; REEL/FRAME:035368/0818 EFFECTIVE DATE : 20150316
US9376345 BB	20160524	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US9376345 BB	20160608	LSGT	PAT1	Patented Case	
US9376345 BB	20191230	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9376345 BB	20350309	PEXP		Calculated Patent Term Expiry	
US9388072 BB	20160712	LSGT	+	granted / extensions (spc, cpc, pte)	
US9388072 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES, INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:NIVEN, ROBERT; MONKMAN, GEORGE SEAN; FORGERON, DEAN PAUL; AND OTHERS; SIGNING DATES FROM 20150601 TO 20150605; REEL/FRAME:035815/0351
US9388072 BB	20160314	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US9388072 BB	20160622	LSGT	PAT1	Patented Case	
US9388072 BB	20170516	LSRE	CC	CERTIFICATE OF CORRECTION	
US9388072 BB	20200113	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9388072 BB	20350430	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9463580 BB	20161011	LSGT	+	granted / extensions (spc, cpc, pte)	
US9463580 BB	20150727	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CARBONCURE TECHNOLOGIES INC., CANADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FORGERON, DEAN PAUL; MONKMAN, GEORGE SEAN; CAIL, KEVIN; AND OTHERS; SIGNING DATES FROM 20150721 TO 20150722; REEL/FRAME:036184/0440
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Title: STACKED STRUCTURAL STEEL WALL TRUSSES

Abstract: The present Stacked Wall Truss Construction and its use in multi-story **buildings** makes use of prefabricated modular wall elements (**100**) that are interconnected in three dimensions to enable the rapid completion of **building** construction with improved quality of construction over that found in traditional multi-story **building** construction. The resultant **building** is a structural steel frame without the use of stacking columns. Vierendeel trusses (**100**) with vertical members (**101 -105**) of tube steel are used, thereby the construction process becomes stacking trusses fit up as complete walls, not erecting columns. An inner "Mating Member" (**131 -135**) enables each truss to be near perfectly positioned on top of the installed truss below.

Classifications:

International (IPC 8-9): E04B1/08 E04B1/19 E04B1/24 E04B1/30 E04B1/348 E04B1/61 E04B2/56 E04B2/58 E04B5/02 (Advanced/Invention); E04B1/24 E04B1/35 (Advanced/Non-invention)

International (IPC 1-7): E04B1/24 E04B1/30 E04B2/56 E04B2/58

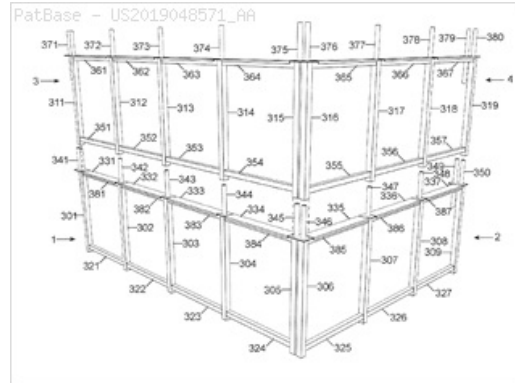
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E04B2001/2451 E04B2001/246 E04B2001/2463 E04B2001/2484

E04B2001/3583

US: 1/1 52/236.6 52/489.1

**Family:**

Publication number	Publication date	Application number	Application date
AU2017222252 AA	20180913	AU20170222252	20170118
AU2017222253 AA	20180913	AU20170222253	20170118
AU2017222254 AA	20180913	AU20170222254	20170118
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WO17146838 A1	20170831	WO2017US13902	20170118
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Priority:

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Inventor(s): COHEN DAVID L ENGLEWOOD

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; GRIFFITH HACK; GOWLING WLG CANADA LLP; DOMPATENT VON KREISLER SELTING WERNER PARTNERSCHAFT VON PATENTANWALTEN U RECHTSANWALTEN MBB; KING ALEX; MAULITTA PRAMULASARI; GRAZIANO IP LAW LLC; GRAZIANO JAMES M

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
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US10584484 BB	20370118	PEXP		Calculated Patent Term Expiry	
US10584485 BB	20200310	LSGT	+	granted / extensions (spc, cpc, pte)	
US10584485 BB	20180808	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO UNDISCOUNTED (ORIGINAL EVENT CODE: BIG.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US10584485 BB	20180822	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO SMALL (ORIGINAL EVENT CODE: SMAL); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US10584485 BB	20370118	PEXP		Calculated Patent Term Expiry	
US2019048571 AA	20190214	LSPB	+	published / reissued	
US2019048571 AA	20190612	LSES	NFA1	Non Final Action Mailed	
US2019048571 AA	20190725	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VEGA BUILDING SYSTEMS LLC, COLORADO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:COHEN, DAVID L; REEL/FRAME:049866/0082 EFFECTIVE DATE : 20190718
US2019048571 AA	20191010	LSES	NFA1	Non Final Action Mailed	
US2019048571 AA	20191226	LSES	+NAM1	Notice of Allowance Mailed - - Application Received in Office of Publications	
US2019048571 AA	20200129	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2019048571 AA	20200219	LSGT	PAT1	Patented Case	
US2019048571 AA	20200219	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2019048572 AA	20190214	LSPB	+	published / reissued	
US2019048572 AA	20190610	LSES	NFA1	Non Final Action Mailed	
US2019048572 AA	20190725	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VEGA BUILDING SYSTEMS LLC, COLORADO

OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:COHEN, DAVID L; REEL/FRAME:049866/0102 EFFECTIVE DATE : 20190718					
US2019048572 AA	20191105	LSES	ADV1	Advisory Action Mailed	
US2019048572 AA	20200103	LSES	+NAM1	Notice of Allowance Mailed - - Application Received in Office of Publications	
US2019048572 AA	20200122	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2019048572 AA	20200212	LSGT	PAT1	Patented Case	
US2019048572 AA	20200212	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2019048573 AA	20190214	LSPB	+	published / reissued	
US2019048573 AA	20190607	LSES	NFA1	Non Final Action Mailed	
US2019048573 AA	20190725	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VEGA BUILDING SYSTEMS LLC, COLORADO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:COHEN, DAVID L; REEL/FRAME:049866/0099 EFFECTIVE DATE : 20190718
US2019048573 AA	20191114	LSES	+NAM1	Notice of Allowance Mailed - - Application Received in Office of Publications	
US2019048573 AA	20200128	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2019048573 AA	20200212	LSGT	PAT1	Patented Case	
US2019048573 AA	20200212	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2019048582 AA	20190214	LSPB	+	published / reissued	
US2019048582 AA	20190611	LSES	NFA1	Non Final Action Mailed	
US2019048582 AA	20190725	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VEGA BUILDING SYSTEMS LLC, COLORADO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:COHEN, DAVID L; REEL/FRAME:049866/0105 EFFECTIVE DATE : 20190718
US2019048582 AA	20190910	LSES	NFA1	Non Final Action Mailed	
US2019048582 AA	20191226	LSES	+NAM1	Notice of Allowance Mailed - - Application Received in Office of Publications	
US2019048582 AA	20200129	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2019048582 AA	20200219	LSGT	PAT1	Patented Case	
US2019048582 AA	20200219	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
WO17146836 A1	20170831	LSPB	+	published / reissued	
WO17146836 A1	20180815	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 3014783 COUNTRY OF REF DOCUMENT : CA
WO17146836 A1	20180815	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 3014783 COUNTRY OF REF DOCUMENT : CA

WO17146836 A1	20180820	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2018562501 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
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WO17146836 A1	20180823	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	REF COUNTRY CODE : DE
WO17146836 A1	20180913	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2017222252 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20170118 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO17146836 A1	20180914	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 20187026727 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO17146836 A1	20180914	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020187026727 COUNTRY OF REF DOCUMENT : KR
WO17146836 A1	20180924	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2017702720 COUNTRY OF REF DOCUMENT : EP
WO17146836 A1	20180928	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2017702720 COUNTRY OF REF DOCUMENT : EP EFFECTIVE DATE : 20180924
WO17146836 A1	20190115	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 112018017093 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20180821
WO17146837 A1	20170831	LSPB	+	published / reissued	
WO17146837 A1	20180815	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 3015699 COUNTRY OF REF DOCUMENT : CA
WO17146837 A1	20180820	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2018562502 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
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WO17146837 A1	20180928	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2017704121 COUNTRY OF REF DOCUMENT : EP EFFECTIVE DATE : 20180924
WO17146837 A1	20190115	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 112018017096 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20180821
WO17146838 A1	20170831	LSPB	+	published / reissued	
WO17146838 A1	20180815	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 3014756 COUNTRY OF REF DOCUMENT : CA
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WO17146838 A1	20180914	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 20187026730 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO17146838 A1	20180914	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020187026730 COUNTRY OF REF DOCUMENT : KR
WO17146838 A1	20180924	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2017702486 COUNTRY OF REF DOCUMENT : EP
WO17146838 A1	20180928	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2017702486 COUNTRY OF REF DOCUMENT : EP EFFECTIVE DATE : 20180924
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WO17146839 A1	20170831	LSPB	+	published / reissued	
WO17146839 A1	20180815	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 3014758 COUNTRY OF REF DOCUMENT : CA
WO17146839 A1	20180815	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 3014758 COUNTRY OF REF DOCUMENT : CA
WO17146839 A1	20180820	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2018562504 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO17146839 A1	20180820	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2018/010070 COUNTRY OF REF DOCUMENT : MX
WO17146839 A1	20180823	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	REF COUNTRY CODE : DE
WO17146839 A1	20180913	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2017222255 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20170118 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO17146839 A1	20180914	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 20187026731 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO17146839 A1	20180914	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020187026731 COUNTRY OF REF DOCUMENT : KR
WO17146839 A1	20180924	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2017702487 COUNTRY OF REF DOCUMENT : EP
WO17146839 A1	20180928	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2017702487 COUNTRY OF REF DOCUMENT : EP EFFECTIVE DATE : 20180924
WO17146839 A1	20190102	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 112018017083 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20180821

Title: **BUILDING** BLOCK TOY SET

Abstract: A **building** block toy set having flat plate elements containing semi-circular recesses located along the periphery thereof. The flat plate elements are interconnected utilizing various configurations of interconnection elements that are received within the recesses. The flat plate elements may have various geometric shapes such as triangles, squares and rectangles. The multi-configured interconnection elements allow for numerous plate element interactions, which enable the creation of a large variety of structures.

Classifications:

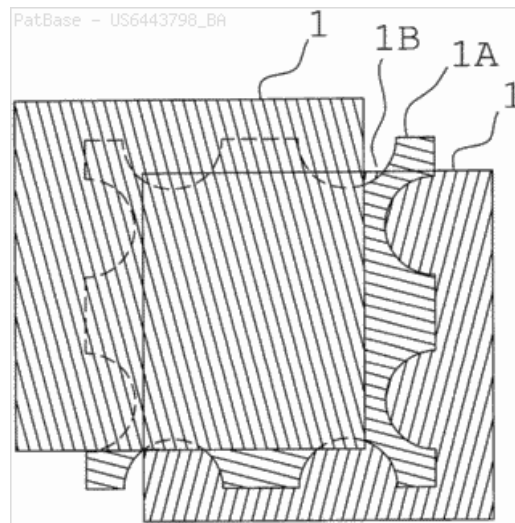
International (IPC 8-9): A63H33/08 A63H33/10 (Advanced/Invention); A63H33/04 (Core/Invention)

International (IPC 1-7): A63H3/308 A63H33/08

CPC: A63H33/08 A63H33/10

European: A63H33/08 A63H33/10

US: 446/112 446/114 446/124 446/127



Family:

Publication number	Publication date	Application number	Application date
US6443798 BA	20020903	US20000550270	20000413

Priority:

US20000550270 20000413

Probable Assignee:

PERRY MIKE

Assignee(s): (std):

PERRY MIKE

Inventor(s): (std):

PERRY MIKE

Inventor(s):

MIKE PERRY

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US6443798 BA	20020903	LSGT	+	granted / extensions (spc, cpc, pte)	
US6443798 BA	20030701	LSRE	CC	CERTIFICATE OF CORRECTION	
US6443798 BA	20060905	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6443798 BA	20061004	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6443798 BA	20061004	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6443798 BA	20061031	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20060903
US6443798 BA	20200413	PEXP		Calculated Patent Term Expiry	

Title: TORNADO PROOF HOUSING

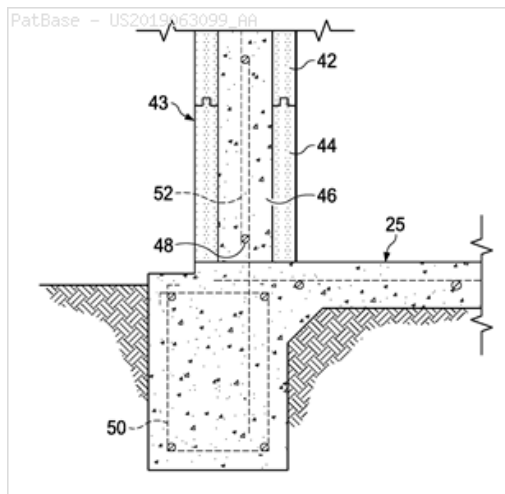
Abstract: A tornado resistant/proof residential housing unit that is built to withstand natural disaster conditions resulting from tornadoes, violent storms, and fire. An internal concrete reinforced core layout gives the unit its structural strength, as well as the versatility needed to face natural disaster conditions while providing absolute resistance to heavy winds such as those caused by a tornado. The unit has an external facade which mimics the exterior appearance of a typical subdivision home.

Classifications:

International (IPC 8-9): E04B1/00 E04B1/16 E04B1/20 E04B1/348
E04H9/14 (Advanced/Invention);
E04B2/86 (Advanced/Non-invention)

CPC: E04B1/161 E04B2/8635 E04B2002/8682 E04B2103/02
E04H9/14 E04B1/165 E04B1/20 E04B1/34823

US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US2019063099 AA	20190228	US20170685785	20170824
US10487527 BB	20191126	US20170685785	20170824

Priority:

US20170685785 20170824

Probable Assignee: GRIZZLY HOMES INC

Assignee(s): (std): GRIZZLY HOMES INC

Inventor(s): (std): JENKS JOSEPH E

Agent(s): WHITAKER CHALK SWINDLE AND SCHWARTZ PLLC; GUNTER CHARLES

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US10487527 BB	20191126	LSGT	+	granted / extensions (spc, cpc, pte)	
US10487527 BB	20170825	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GRIZZLY HOMES, INC., TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:JENKS, JOSEPH E.; REEL/FRAME:043403/0181 EFFECTIVE DATE : 20170823
US10487527 BB	20170829	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO SMALL (ORIGINAL EVENT CODE: SMAL); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US10487527 BB	20380121	PEXP		Calculated Patent Term Expiry (PTA 150 days)	
US2019063099 AA	20190228	LSPB	+	published / reissued	
US2019063099 AA	20190404	LSSES	NFA1	Non Final Action Mailed	
US2019063099 AA	20190802	LSSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2019063099 AA	20191025	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2019063099 AA	20191106	LSGT	PAT1	Patented Case	

US2019063099 AA	20191106	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
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Title: DRY STACK CONSTRUCTION BLOCK SYSTEM AND METHOD

Abstract: A dry stack block structure, comprising: at least one course comprising blocks, each comprising: a first and second side walls and a central wall positioned between and parallel to the side walls, wherein the walls are rectangular and having a bottom and top edges located in a first plane and a parallel second plane, a first end and a second end located in a third plane and a parallel fourth plane, perpendicular to the first plane; a first and second end transverse webs connecting the ends respectively of the walls in the third and fourth planes respectively, wherein the end transverse webs having a bottom edge located in the first plane; and two intermediate transverse webs positioned between the third and fourth planes and connecting the second and central walls, the intermediate transverse webs having a bottom edge and a top edge located in the first and second planes.

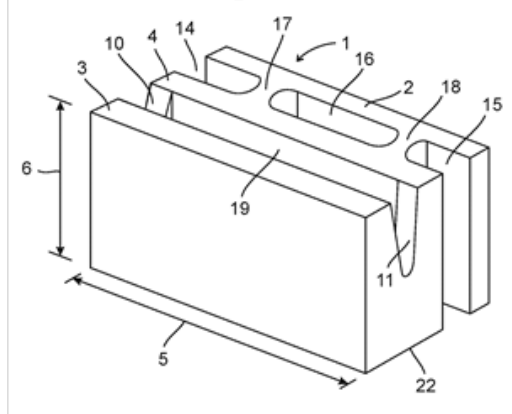
Classifications:

International (IPC 8-9): E04B2/18 E04B2/22 E04B2/26 E04B2/52 E04B2/54 E04C1/00 (Advanced/Invention); E04B2/02 (Advanced/Non-invention)

CPC: E04B2/52 E04B2/54 E04B2002/0254 E04B2/18 E04B2/22 E04B2/26

US: 1/1

PatBase - US2019177972_AA

**Family:**

Publication number	Publication date	Application number	Application date
■ DOP2018000170 A	20181130	DO20180000170	20180724
■ US2019177972 AA	20190613	US20180043203	20180724
■ US10612234 BB	20200407	US20180043203	20180724

Priority:

US20170595691P 20171207 US20180043203 20180724

Probable Assignee: BRIEKE FAMILY ASSETS LTD

Assignee(s): (std): BETTINA INGRID BRIEKE ; BRIEKE BETTINA INGRID ; BRIEKE FAMILY ASSETS LTD ; MALCOLM JOHN PAUL WRIGHT ; WRIGHT MALCOLM JOHN PAUL

Inventor(s): (std): BETTINA INGRID BRIEKE ; BRIEKE BETTINA INGRID ; MALCOLM JOHN PAUL WRIGHT ; WRIGHT MALCOLM JOHN ; WRIGHT MALCOLM JOHN PAUL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DOP2018000170 A	20181130	LSPB	+	published / reissued	
US10612234 BB	20200407	LSGT	+	granted / extensions (spc, cpc, pte)	
US10612234 BB	20180724	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO UNDISCOUNTED (ORIGINAL EVENT CODE: BIG.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US10612234 BB	20180807	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO SMALL (ORIGINAL EVENT CODE: SMAL); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US10612234 BB	20180812	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : WRIGHT, MALCOLM JOHN PAUL, FLORIDA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WRIGHT, MALCOLM JOHN PAUL; BRIEKE, BETTINA INGRID; SIGNING DATES FROM 20180717 TO 20180718; REEL/FRAME:046621/0471
US10612234 BB	20180812	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BRIEKE, BETTINA INGRID, FLORIDA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WRIGHT, MALCOLM JOHN PAUL; BRIEKE, BETTINA INGRID; SIGNING DATES FROM 20180717 TO 20180718; REEL/FRAME:046621/0471

US10612234 BB	20180812	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BRIEKE FAMILY ASSETS LTD., GREAT BRITAIN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WRIGHT, MALCOLM JOHN PAUL; BRIEKE, BETTINA INGRID; SIGNING DATES FROM 20180717 TO 20180718; REEL/FRAME:046621/0471
US10612234 BB	20200318	LSGT	PAT1	Patented Case	
US10612234 BB	20380724	PEXP		Calculated Patent Term Expiry	
US2019177972 AA	20190613	LSPB	+	published / reissued	
US2019177972 AA	20190123	LSSES	NFA1	Non Final Action Mailed	
US2019177972 AA	20190614	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : WRIGHT, MALCOLM JOHN PAUL, FLORIDA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WRIGHT, MALCOLM JOHN; REEL/FRAME:049476/0294 EFFECTIVE DATE : 20190610
US2019177972 AA	20190614	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BRIEKE FAMILY ASSETS LTD., GREAT BRITAIN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WRIGHT, MALCOLM JOHN; REEL/FRAME:049476/0294 EFFECTIVE DATE : 20190610
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US2019177972 AA	20200109	LSSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2019177972 AA	20200225	LSFE	+PPR1	Publications - - Issue Fee Payment Received	
US2019177972 AA	20200318	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE