

Search history

- Search 1: FT=(CLAMP~ AND STRUCTURE~ AND BEAMS~ AND ELASTIC~ AND PRESSURE~ AND WINGS.) (Results 1133)
- Search 2: FT=(CLAMP~ AND STRUCTURE~ AND BEAMS~ AND ELASTIC~ AND PRESSURE~ AND WINGS) AND IC=(B62K) (Results 6)
- Search 3: FT=(CLAMP~ AND STRUCTURE~ AND BEAMS~ AND ELASTIC~ AND PRESSURE~ AND WINGS) (Results 1133)
- Search 4: B62K (Results 98)
- Search 5: E04G (Results 296)
- Search 6: 5 AND 3 (Results 0)
- Search 7: FT=(CLAMP~ AND STRUCTURE~ AND BEAMS~ AND ELASTIC~ AND PRESSURE~ AND WINGS) AND E04G (Results 0)
- Search 8: FT=(CLAMP~ AND STRUCTURE~ AND BEAMS~ AND ELASTIC~ AND PRESSURE~ AND WINGS) AND IC=(E04G) (Results 21)

Title: METALLIC SCAFFOLDING FLOOR CONNECTING **CLAMP**, HAS BRANCHES SEPARATED FROM EACH OTHER TO BE PLACED ON BOTH SIDES OF CROSSPIECE, WHERE EACH BRANCH IS PROVIDED WITH HOOK ENGAGED IN FLANGE OF FLOOR OF METALLIC SUPPORT **STRUCTURE**

Abstract: The **clamp** has four branches (17) connected to a body part (13), where the branches are separated from each other to be placed on both sides of a crosspiece (5) of a metallic support **structure**. Each branch is provided with a hook (21) engaged in a flange (11) of the floor. The body part is engaged against a part which is opposite to the cross piece, and the branches are introduced under the flanges by bringing them closer to each other at a time. The hooks are engaged in the flanges during the separation of the branches for integrating the floor to the crosspiece.

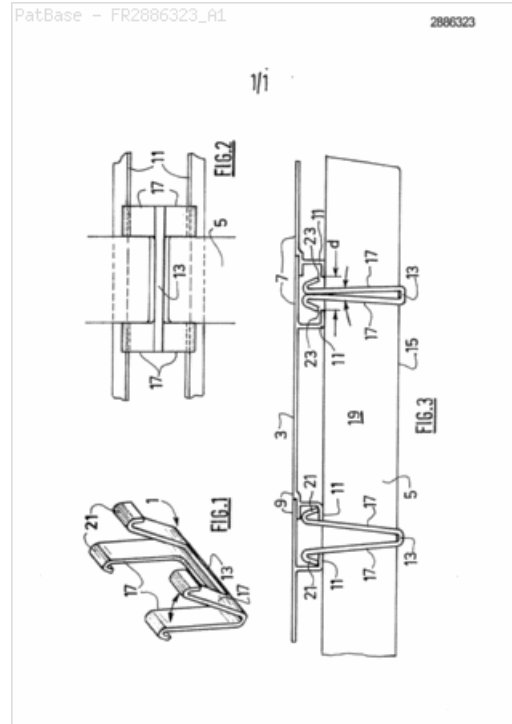
Classifications:

International (IPC 8-9): E04G7/28 (Advanced/Invention);

E04G7/00 (Core/Invention)

CPC: E04G7/28

European: E04G7/28



Family:

Publication number	Publication date	Application number	Application date
FR2886323 A1	20061201	FR20050005189	20050524

Priority:

FR20050005189 20050524

Probable Assignee: TUBESCA SA

Assignee(s): (std): TUBESCA SA

Assignee(s): TUBESCA SOC ANONYME ; TUBESCA SOCIETE ANONYME ; TUBESCA

Inventor(s): (std): CHARLES JULIEN

Inventor(s): JULIEN CHARLES

Agent(s): CABINET JOLLY

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR2886323 A1	20061201	LSPB	+	published / reissued	
FR2886323 A1	20100226	LSLE	-ST	NOTIFICATION OF LAPSE	EFFECTIVE DATE : 20100129

Title: POUTRELLE SUPPORT POUR COFFRAGE SUPPORT **BEAM** FORMWORK (Machine translation)

Abstract: Source: FR1284480A [FR] (Claim 1) positions normales de ces ferrures etant representees dans ces memes figures par les lignes en trait mixte.

Machine translation: (Claim 1) normal positions of these fittings being represented in these same figures by dashed lines.

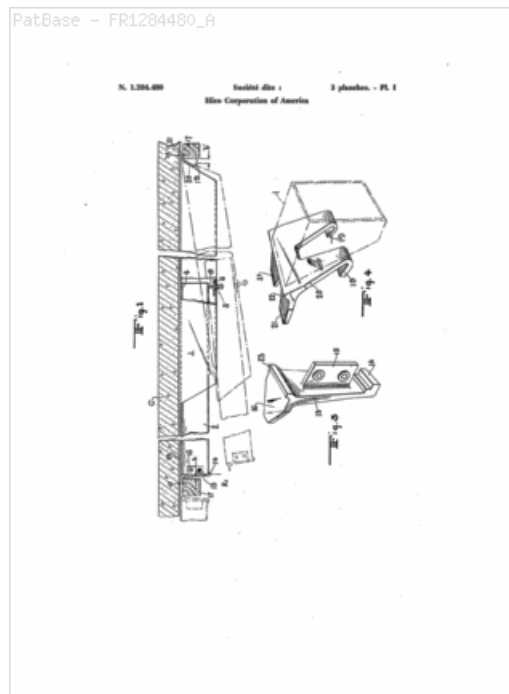
Classifications:

International (IPC 8-9): E04G11/56 E04G17/16 (Advanced/Invention);
E04G11/00 E04G17/16 (Core/Invention)

International (IPC 1-7): E04G11/56 E04G17/16

CPC: E04G11/56 E04G17/16

European: E04G11/56 E04G17/16



Family:

Publication number	Publication date	Application number	Application date
FR1284480 A	19620209	FR19610856518	19610322

Priority:

FR19610856518 19610322

Probable Assignee: HICO CORP OF AMERICA

Assignee(s): (std): HICO CORP OF AMERICA

Assignee(s): HICO OF AMERICA CORP

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR1284480 A	19620209	LSGT	+	granted / extensions (spc, cpc, pte)	
FR1284480 A	19810322	PEXP		Calculated Patent Term Expiry	

Title: POUTRE REGLABLE FORMANT SUPPORT DE COFFRAGE ADJUSTABLE **BEAM** FORMING FORMWORK SUPPORT (Machine translation)

Abstract: Source: FR1326218A [FR] (Claim 1) U qui forment 'le tronçon en caisson sont decalées lateralement par rapport a la poutre pour permettre aux parties principales des ailes 6,6 et 7,7 de se placer dans un meme plan.

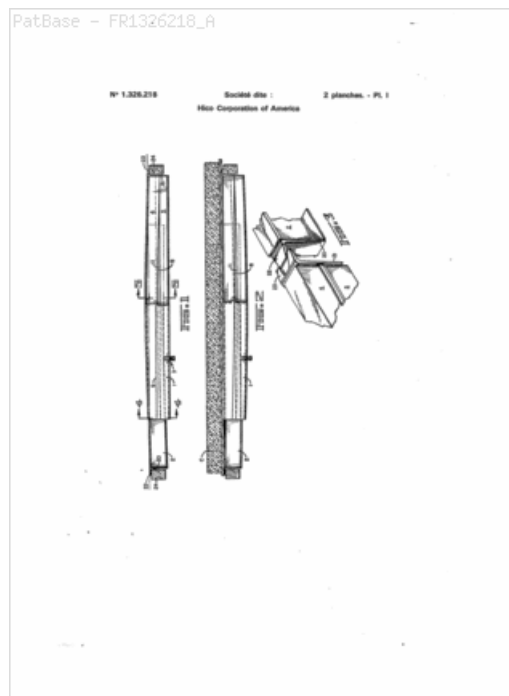
Machine translation: (Claim 1) Which form U 'in the section box are laterally offset with respect to the **beam** to enable the main parts of the **wings** 6.6 and 7.7 to place in the same plane.

Classifications:

International (IPC 8-9): E04G11/56 (Advanced/Invention);
E04G11/00 (Core/Invention)

International (IPC 1-7): E04B1/38 E04B1/58 E04G11/56
CPC: E04G11/56

European: E04G11/56



Title: PACKAGING COMPONENT, METHOD OF USE, AND METHOD OF MANUFACTURE

Abstract: A packaging component for use with an article includes a panel having a first shell with a first surface facing the exterior of the package and a first opposing, spaced apart inward-facing surface. The first shell defines a first cavity. The panel further includes a first core situated in the first cavity wherein the first core includes a plurality of in-situ expanded polymer particles.

Classifications:

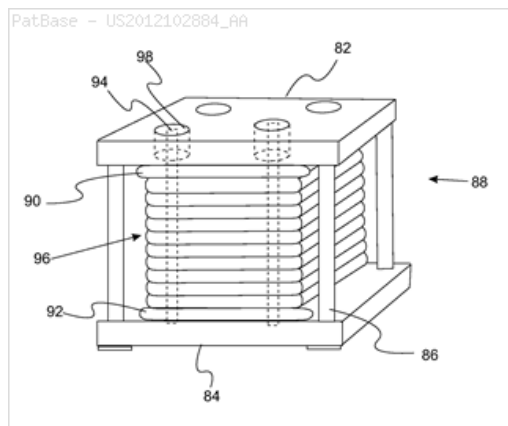
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IPC: B29C2791/001 B29K2105/04 B32B5/20 B60R19/03 B29C44/04 F25D23/063 E04C1/40 B62D25/20 B60R13/0237 A47B13/08 A47B77/022 E01F13/02 E04G5/08 E04B1/8409 B29C45/1615 B29C45/1704 A47B96/202 B60R5/04 B60R13/013 E01F15/083 E01F15/086 E01F15/141 E01F15/143 E04G1/153 B29C44/146 F16L59/00 E01B9/36 B29C44/086 B60R19/18 B60R2019/1873 B32B2266/025 B32B2509/10 B32B2605/00 B32B2307/102 B32B2419/00 B29C2049/4667

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European: B29C44/18 B29C49/42G B60R19/03 E01B3/44 L29C49/04 L29C791/00B L29K105/04 L60R19/18E2

US: 1/1 108/161 181/290 182/222 220/592.1 238/54 238/84 238/84P 256/13.1 264/155 264/255 264/45.2 264/45.4 264/45.5 264/46.4 264/46.6 264/500 264/500S 264/523 264/523S 293/109 293/110 293/120 296/191 296/37.14 297/180.1 297/216.1 297/216.13 297/452.18 404/7 425/4R 425/503 428/304.4 428/317.5 428/35.8 428/35.800S 428/36.4 428/36.5 428/36.500S 52/582.1 53/436 53/436P 53/523 53/523S



Family:

Publication number	Publication date	Application number	Application date
AU2013206032 AA	20130613	AU20130206032	20130527
AU2013238056 AA	20141009	AU20130238056	20130328
CA2816364 AA	20130426	CA20112816364	20111027
CA2868828 AA	20140926	CA20132868828	20130328
DE112011103628 T5	20130808	DE201111103628T	20111027
EP2830861 A1	20150204	EP20130769879	20130328
EP2830861 A4	20160608	EP20130769879	20130328
GB201308511 A0	20130619	GB20130008511	20111027
GB2498495 A1	20130717	GB20130008511	20111027
IN04452DN2013 A	20141121	IN2013DN04452	20130517
MX2013004732 A1	20131017	MX20130004732	20111027
MX339111 B	20160511	MX20130004732	20111027
US2012102884 AA	20120503	US20110005190	20110112
US2012104110 AA	20120503	US20100913132	20101027
US2013115399 AA	20130509	US20120463738	20120503
US2013255176 AA	20131003	US20120463705	20120503
US2013256317 AA	20131003	US20120463715	20120503
US2013257069 AA	20131003	US20120463700	20120503
US2013257119 AA	20131003	US20120463682	20120503
US2014110491 AA	20140424	US20130840827	20130315
US2015001864 AA	20150101	US20140491285	20140919
US2015064379 AA	20150305	US20130389021	20130328
US2015118426 AA	20150430	US20130389019	20130328
US2016229149 AA	20160811	US20160133929	20160420
US2017157892 AA	20170608	US20170441077	20170223
US8342420 BB	20130101	US20100913132	20101027
US8596027 BB	20131203	US20110005190	20110112
US8840819 BB	20140923	US20120463700	20120503
US9073462 BB	20150707	US20120463682	20120503
US9346237 BB	20160524	US20130840827	20130315
US10207606 BB	20190219	US20130389019	20130328
WO12058447 A2	20120503	WO2011US58119	20111027
WO12058447 A3	20120712	WO2011US58119	20111027
WO13148962 A1	20131003	WO2013US34295	20130328

WO13148977 A1	20131003	WO2013US34312	20130328
WO14145670 A1	20140918	WO2014US30475	20140317

Priority:

US20100913132	20101027	US20110005190	20110112	WO2011US58119	20111027
US20120616985P	20120328	US20120616988P	20120328	US20120616948P	20120328
US20120617047P	20120329	US20120617045P	20120329	US20120463705	20120503
US20120463682	20120503	US20120463715	20120503	US20120463700	20120503
US20120463738	20120503	US20130840827	20130315	US20130389021	20130328
US20130389019	20130328	WO2013US34295	20130328	WO2013US34312	20130328
US20140491285	20140919	US20160133929	20160420	US20170441077	20170223

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Inventor(s): ROBERTS RICHARD W4320 DILLINGHAM DRIVETECUMSEHMI49286US ; RICHARD W ROBERTS JR

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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
AU2013206032 AA	20130613	LSPB	+	published / reissued	
AU2013206032 AA	20161027	LSLE	-MK5	APPLICATION LAPSED SECTION 142(2)(E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED	
AU2013238056 AA	20141009	LSPB	+	published / reissued	
AU2013238056 AA	20160825	LSLE	-MK1	APPLICATION LAPSED SECTION 142(2)(A) - NO REQUEST FOR EXAMINATION IN RELEVANT PERIOD	
CA2816364 AA	20130426	LSPB	+	published / reissued	
CA2816364 AA	20161101	LSSE	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20161026
CA2816364 AA	20181210	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20181029
CA2868828 AA	20140926	LSPB	+	published / reissued	
CA2868828 AA	20190510	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20190328
DE112011103628 T5	20130808	LSPB	+	published / reissued	
DE112011103628 T5	20150501	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
EP2830861 A1	20150204	LSPB	+	published / reissued	
EP2830861 A1	20150204	LSSE	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20141028
EP2830861 A1	20151223	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : B29C 44/34 20060101ALI20151119BHEP
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GB2498495 A1	20130717	LSPB	+	published / reissued	
GB2498495 A1	20171206	LSWD	-WAP	APPLICATION WITHDRAWN, TAKEN TO BE WITHDRAWN OR	

				REFUSED ** AFTER PUBLICATION UNDER SECTION 16(1)	
IN04452DN2013 A	20141121	LSPB	+	published / reissued	
MX2013004732 A1	20131017	LSPB	+	published / reissued	
MX339111 B	20160511	LSGT	+	granted / extensions (spc, cpc, pte)	
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MX339111 B	20311027	PEXP		Calculated Patent Term Expiry	
US10207606 BB	20190219	LSGT	+	granted / extensions (spc, cpc, pte)	
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US2012102884 AA	20120503	LSPB	+	published / reissued	
US2012104110 AA	20120503	LSPB	+	published / reissued	
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US2013115399 AA	20130509	LSPB	+	published / reissued	
US2013115399 AA	20150901	LSES	NFA1	Non Final Action Mailed	
US2013115399 AA	20160921	LSES	NFA1	Non Final Action Mailed	
US2013115399 AA	20170414	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2013115399 AA	20170414	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
US2013255176 AA	20131003	LSPB	+	published / reissued	
US2013255176 AA	20140905	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
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US2013257119 AA	20131003	LSPB	+	published / reissued	
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US2014110491 AA	20160504	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
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US2015001864 AA	20170615	LSES	NFA1	Non Final Action Mailed	
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US2015064379 AA	20150305	LSPB	+	published / reissued	

US2015064379 AA	20170710	LSES	NFA1	Non Final Action Mailed	
US2015064379 AA	20181126	LSES	NFA1	Non Final Action Mailed	
US2015064379 AA	20190408	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2015064379 AA	20190624	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2015118426 AA	20150430	LSPB	+	published / reissued	
US2015118426 AA	20170728	LSES	NFA1	Non Final Action Mailed	
US2015118426 AA	20181219	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2015118426 AA	20190130	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2016229149 AA	20160811	LSPB	+	published / reissued	
US2016229149 AA	20180614	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2016229149 AA	20180615	LSES	NFA1	Non Final Action Mailed	
US2016229149 AA	20181226	LSES	NFA1	Non Final Action Mailed	
US2016229149 AA	20190412	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017157892 AA	20170608	LSPB	+	published / reissued	
US2017157892 AA	20190517	LSES	NFA1	Non Final Action Mailed	
US8342420 BB	20130101	LSGT	+	granted / extensions (spc, cpc, pte)	
US8342420 BB	20121212	LSGT	PAT1	Patented Case	
US8342420 BB	20161230	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8342420 BB	20310426	PEXP		Calculated Patent Term Expiry (PTA 181 days)	
US8596027 BB	20131203	LSGT	+	granted / extensions (spc, cpc, pte)	
US8596027 BB	20131113	LSGT	PAT1	Patented Case	
US8596027 BB	20140617	LSRE	CC	CERTIFICATE OF CORRECTION	
US8596027 BB	20180101	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	TEXT : PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.)
US8596027 BB	20180101	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US8596027 BB	20180101	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US8596027 BB	20180123	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20171203
US8596027 BB	20311005	PEXP		Calculated Patent Term Expiry (PTA 266 days)	
US8840819 BB	20140923	LSGT	+	granted / extensions (spc, cpc, pte)	
US8840819 BB	20140903	LSGT	PAT1	Patented Case	
US8840819 BB	20180507	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.)

US8840819 BB	20181029	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	TEXT : PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US8840819 BB	20181029	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US8840819 BB	20181029	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
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US8840819 BB	20320503	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9073462 BB	20150707	LSGT	+	granted / extensions (spc, cpc, pte)	
US9073462 BB	20150617	LSGT	PAT1	Patented Case	
US9073462 BB	20190225	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US9073462 BB	20330325	PEXP		Calculated Patent Term Expiry (PTA 326 days)	
US9346237 BB	20160524	LSGT	+	granted / extensions (spc, cpc, pte)	
US9346237 BB	20160504	LSGT	PAT1	Patented Case	
US9346237 BB	20161011	LSRE	CC	CERTIFICATE OF CORRECTION	
US9346237 BB	20331024	PEXP		Calculated Patent Term Expiry (PTA 223 days and a terminal disclaimer has been filed)	
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WO12058447 A3	20130426	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2013/004732 COUNTRY OF REF DOCUMENT : MX
WO12058447 A3	20130429	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 112011103628 COUNTRY OF REF DOCUMENT : DE
WO12058447 A3	20130429	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1120111036280 COUNTRY OF REF DOCUMENT : DE
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WO12058447 A3	20130513	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1308511.3 COUNTRY OF REF DOCUMENT : GB
WO12058447 A3	20131120	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN	REF DOCUMENT NUMBER : 11837103

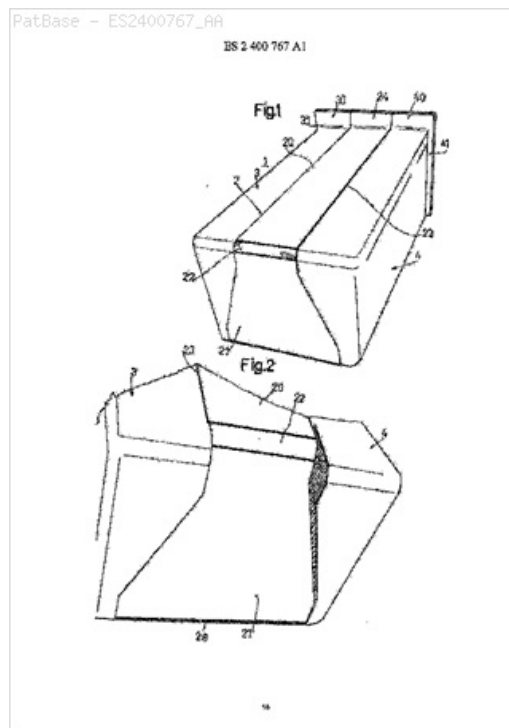
EUROPEAN PHASE					COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :
WO13148962 A1	20131003	LSPB	+	published / reissued	
WO13148962 A1	20140926	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2868828 COUNTRY OF REF DOCUMENT : CA
WO13148962 A1	20140929	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO13148962 A1	20140929	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14389021 COUNTRY OF REF DOCUMENT : US
WO13148962 A1	20141009	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013238056 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20130328 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
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WO13148977 A1	20131003	LSPB	+	published / reissued	
WO13148977 A1	20140929	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO13148977 A1	20140929	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14389019 COUNTRY OF REF DOCUMENT : US
WO13148977 A1	20141028	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2013769879 COUNTRY OF REF DOCUMENT : EP
WO14145670 A1	20140918	LSPB	+	published / reissued	
WO14145670 A1	20150915	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14145670 A1	20160406	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 14764594 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: CONJUNTO DE ENCOFRAR ARMABLE/DESARMABLE Y MULTIREUTILIZABLE PARA FORMACION "IN SITU" DE NICHOS Y OTROS ENTERRAMIENTOS

Abstract: Source: ES2400767B [ES] Conjunto de encofrar armable/desarmable y multireutilizable para formacion?in situ? de nichos y otros enterramientos, para nichos o espacios huecos, constituido por un cuerpo armado, de forma geometrica tradicional, que esta integrado por tres unicas piezas principales; una pieza central que comprende la parte central de la planta, un zocalo frontal, una bisagra transversal (elastica) que une con esta la parte posterior o fondo y dos piezas laterales o costados que adoptan la forma complementaria restante del encofrado; que tienen respectivos zocalos frontales y zocalos laterales y que en su union con la pieza central arman completamente el conjunto.

Classifications:

International (IPC 8-9): E04G9/08 E04H13/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
ES2400767 AA	20130412	ES20100030181	20100210
ES2400767 BA	20131015	ES20100030181	20100210

Priority:

ES20100030181 20100210

Probable Assignee: CONSOREG S L

Assignee(s): (std): CONSOREG S L ; MASSACHS MAURICI JOSE

Assignee(s): CONSOREG SL ; JOSE MASSACHS MAURICI

Inventor(s): (std): MASSACHS MAURICI JOSE

Inventor(s): JOSE MASSACHS MAURICI

Agent(s): MANZANO GREGORIO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
ES2400767 AA	20130412	LSPB	+	published / reissued	
ES2400767 BA	20131015	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2400767 BA	20131015	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 2400767 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : B1 DESIGNATED STATE(S) : EFFECTIVE DATE : 20131015
ES2400767 BA	20300210	PEXP		Calculated Patent Term Expiry	

Title: SYSTEM AND METHOD OF ADJUSTING THE LOCATION AND POSITION OF THE FORESAIL ON A SAILBOAT

Abstract: A system for sailing windward, which includes a moveable track fixture, a fixed track configured to receive the track fixture, and a control system for securing the location of the track fixture within the fixed track relative to a bow of a sailboat. The system can also include a retractable solar panel system, which is attached to a nautical stay, wherein the stay is fixed at one end to a hull of the sailboat and at a second end to a mast of the sailboat. The solar panel system includes a plurality of solar panels, which are attached to a system for stacking the plurality of solar panels when not in use. In an alternative embodiment, the sailboat can include an extendable keel, which includes a moveable inner member positioned within the fixed keel and a control system for lowering or retracting the inner member.

Classifications:

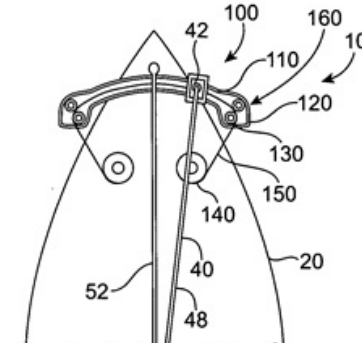
International (IPC 8-9): B63B1/10 B63B15/00 B63B27/08 B63B41/00 B63B43/04 B63B43/06 B63B43/08 B63H9/06 B65G67/02 B66D1/40 E04D13/18 E04G25/00 F03D9/00 F03D9/02 F03D9/25 F16H1/06 F24J2/00 F24J2/04 F24J2/36 H01L31/042 H01L31/045 H01L31/048 H02J3/38 H02J7/00 H02J7/35 H02K7/18 H02S10/12 H02S10/20 H02S20/30 (Advanced/Invention); B63B15/00 B63B41/00 B63B43/00 E04D13/18 E04G25/00 F16H1/04 F24J2/00 F24J2/04 F24J2/36 H01L31/045 H01L31/048 (Core/Invention)

CPC: B63B2209/18 B65G67/02 B63H9/04 B63J2003/003 H02S30/20 Y02T70/70 B63B15/0083 B63B41/00 B63B2015/0075 B63H9/06 H02S20/00 Y02B10/20 Y02E10/44 Y02E10/47 Y02E10/40 B63B15/00 Y10T74/19651 Y10T137/85978 Y10T137/85986 Y02B10/12 Y02E10/50 B63B15/02 B63H9/10 H02J3/383 H02J7/35 H02K7/1838 F03D9/257 F03D9/007 H02S10/12 H02S10/20 H02S20/30 H02S20/23 F24S20/50 F24S20/67 F24S20/70 F24S30/20 F24S30/452 H02J7/0055 F03D9/11 H02J3/386 Y02E10/725 H02S10/40

European: B63B15/00 B63B15/00M B63B15/02 B63B41/00 B63H9/04 B63H9/06 B63H9/10 F24J2/04B12 F24J2/36 F24J2/52B F24J2/52C F24J2/54C2 H01L31/042B H01L31/045 H01L31/048B L63B15/00C8M L63B209/18 L63J3/00B2P Y02B10/12 Y02B10/20 Y02E10/40 Y02E10/44 Y02E10/47 Y02E10/50 Y02T70/70

US: 114/121 114/121S 114/124 114/141 114/141S 114/39.26 114/39.260P 114/39.29 114/39.290S 114/39.32 114/39.320P 114/90 114/90S 126/621 126/621S 126/625 126/625S 126/626 126/626S 126/634 126/634S 136/245 136/245S 137/565.01 137/565.01S 137/565.11 137/565.110S 248/351 248/351S 290/55 307/22 320/101 414/373 74/414 74/414S

PatBase - US2008190341_AA

**Family:**

Publication number	Publication date	Application number	Application date
CN101688692 A	20100331	CN200880011219	20080206
CN101688692 B	20120704	CN200880011219	20080206
CN102745322 A	20121024	CN201210156084	20080206
US2008190341 AA	20080814	US20070788785	20070419
US2008190476 AA	20080814	US20070821315	20070622
US2009288586 AA	20091126	US20090534890	20090804
US2010065104 AA	20100318	US20070848986	20070831
US2011168071 AA	20110714	US20110030386	20110218
US2011214667 AA	20110908	US20110106427	20110512
US2011297064 AA	20111208	US20110212702	20110818
US2014035509 AA	20140206	US20120000046	20120221
US2017264100 AA	20170914	US20170440700	20170223
US8258394 BB	20120904	US20070821315	20070622
WO08098051 A2	20080814	WO2008US53180	20080206
WO08098051 A3	20081218	WO2008US53180	20080206
WO08098055 A2	20080814	WO2008US53185	20080206
WO08098055 A3	20081218	WO2008US53185	20080206
WO12112990 A2	20120823	WO2012US25897	20120221
WO12112990 A3	20121227	WO2012US25897	20120221

Priority:

US20070900549P	20070208	US20070920957P	20070330	US20070788785	20070419
US20070821315	20070622	US20070848986	20070831	WO2008US53185	20080206
US20090534890	20090804	US20110030386	20110218	US20110106427	20110512
US20110212702	20110818	WO2012US25897	20120221	US20120000046	20120221
US20130000046	20131025	US20170440700	20170223		

Probable Assignee: BARUH BRADFORD G**Assignee(s):** (std): BARUH BRADFORD G**Inventor(s):** (std): BARUH BRADFORD G**Agent(s):** BUCHANAN INGERSOLL AND ROONEY PC; NUZUM KIRK M

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 LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent Date recorded Event group Code Event Details

CN101688692 A	20100331	LSPB	+	published / reissued	
CN101688692 A	20100331	LSPB	+C06	PUBLICATION	
CN101688692 B	20120704	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101688692 B	20120704	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101688692 B	20280206	PEXP		Calculated Patent Term Expiry	
CN102745322 A	20121024	LSPB	+	published / reissued	
CN102745322 A	20121024	LSPB	+C06	PUBLICATION	
CN102745322 A	20150902	LSDW	-C05	DEEMED WITHDRAWAL (PATENT LAW BEFORE 1993)	
US2008190341 AA	20080814	LSPB	+	published / reissued	
US2008190341 AA	20141120	LSWD	-ABD1	Abandoned -- After Examiner's Answer or Board of Appeals Decision	
US2008190341 AA	20141120	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- AFTER EXAMINER'S ANSWER OR BOARD OF APPEALS DECISION
US2008190476 AA	20080814	LSPB	+	published / reissued	
US2008190476 AA	20120815	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2009288586 AA	20091126	LSPB	+	published / reissued	
US2009288586 AA	20111118	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2009288586 AA	20111118	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
US2010065104 AA	20100318	LSPB	+	published / reissued	
US2010065104 AA	20110930	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2010065104 AA	20110930	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
US2011168071 AA	20110714	LSPB	+	published / reissued	
US2011168071 AA	20130531	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2011168071 AA	20130531	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
US2011214667 AA	20110908	LSPB	+	published / reissued	
US2011214667 AA	20130603	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2011214667 AA	20130603	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
US2011297064 AA	20111208	LSPB	+	published / reissued	
US2011297064 AA	20130701	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2011297064 AA	20130701	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
US2014035509 AA	20140206	LSPB	+	published / reissued	
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US2014035509 AA	20170626	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	

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US2017264100 AA	20170914	LSPB	+	published / reissued	
US2017264100 AA	20171004	LSSES	NFA1	Non Final Action Mailed	
US2017264100 AA	20190106	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
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US8258394 BB	20120815	LSGT	PAT1	Patented Case	
US8258394 BB	20160217	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8258394 BB	20301107	PEXP		Calculated Patent Term Expiry (PTA 1234 days)	
WO08098051 A2	20080814	LSPB	+	published / reissued	
WO08098051 A3	20090811	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
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WO08098055 A2	20080814	LSPB	+	published / reissued	
WO08098055 A2	20080206	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200880011219.4 COUNTRY OF REF DOCUMENT : CN
WO08098055 A3	20090811	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO08098055 A3	20100310	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 08729169 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :
WO12112990 A2	20120823	LSPB	+	published / reissued	
WO12112990 A3	20130819	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO12112990 A3	20131025	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14000046 COUNTRY OF REF DOCUMENT : US
WO12112990 A3	20140312	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 12747261 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :

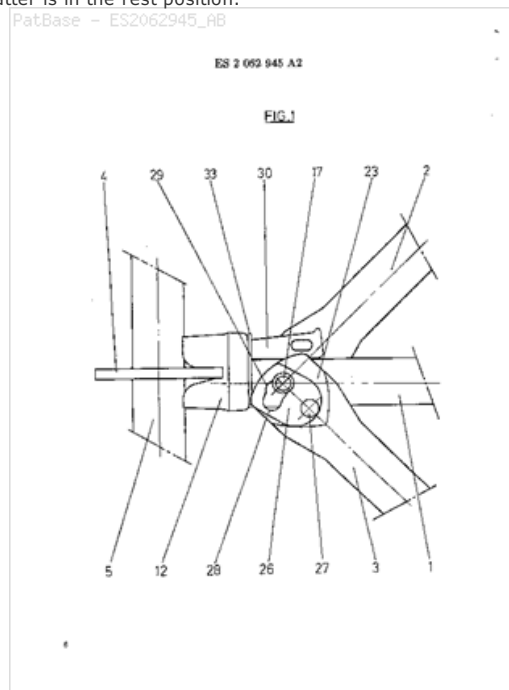
Title: Improvements to hitches for anchoring and articulating the bars of dismantlable metallic **structures**

Abstract: The present improvements provide for the production of the discs to be coupled to the straight legs with an octagonal **structure** with individual apertures in a radial arrangement towards the centre of each one of the sides, the ends of the bars having notches for fitting to the disc which have a planar base which can be coupled to the corresponding side of the octagonal disc. Each one of the assemblies formed by a bar and its end has a pair of lateral coaxial journals for the coupling of diagonal bars. An **elastic clamp** coupled to the end retains the wedge when the latter is in the rest position.

Classifications:

International (IPC 8-9): E02D5/74 E04G7/30 (Advanced/Invention);
E02D5/74 E04G7/00 (Core/Invention)

International (IPC 1-7): E02D5/74 E04G7/30



Family:

Publication number	Publication date	Application number	Application date
ES2062945 AB	19941216	ES19930000666	19930322
ES2062945 AC	19980301	ES19930000666	19930322
ES2062945 BA	19981101	ES19930000666	19930322

Priority:

ES19930000666 19930322

Probable Assignee:

UBINANA FELIX JOSE LUIS

Assignee(s): (std):

UBINANA FELIX JOSE LUIS

Inventor(s): (std):

UBINANA FELIX JOSE LUIS

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
ES2062945 AB	19941216	LSPB	+	published / reissued	
ES2062945 AC	19980301	LSES	+EC2A	SEARCH REPORT PUBLISHED	DATE OF REF DOCUMENT : 19941216 KIND CODE OF REF DOCUMENT : R DESIGNATED STATE(S) : EFFECTIVE DATE : 19941216
ES2062945 BA	19981101	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2062945 BA	20130322	PEXP		Calculated Patent Term Expiry	

Abstract: Source: DE2127374A1 [DE] (Claim 1) 1. Patent anspruche System von Schalungstischen zum Herstellen von Decken in armiertem Beton des Typs, indem jeder Tisch eine Anzahl von Laengstraegern (EL1, EL2), die den Abmessungen des her zustellenden Feldes angepasst sind, ineinander verschieb bare Querverbindungs-Einrichtungen, die auf dem Obergurt der Laengstraeger befestigt sind, Laengs-Abstuetzungsteile, die auf den Querverbindungs-Einrichtungen aufrufen und einen Bohlenbelag tragen, und eine Fuss-Gesamtheit (5) aufweist, die vertikal in Stuetzen (4) verschiebbar ist, die mit den Laengstraegern fest verbunden sind, und von denen jeder Fuss in der Hoehe eingestellt und in der ge wuenschten Position blockiert werden kann, wobei bestimmte Fuesse an ihrem unteren Ende Einstellwinden (7) aufweisen, waehrend andere Manipulationsraeder (8A, 8B, 18) aufweisen zum Fuehren des Tisches nach der abschaltung in eine Posi tion zur Lastuebernahme durch eine mit der Hebevorrichtung (31) der Baustelle verbundene Traverse bzw. ein solches Traggeruest, dadurch g e k e n n z e i c h n e t, dass jeder Tisch drei verteilte Reihen von anipulationsraedern, die erste (8A) an seinem vorderen unteren Teil, die zweite (18) nach vorne in bezug auf eine Ebene (PP1) versetzt, die seinen Schwerpunkt enthaelt, und die dritte (8B) an seinem hinteren unteren Teil aufweist, waehrend seine ver schiebbare Fussanordnung von Traegern (5) mit Winde (7) in Abhaengigkeit von der durch den Tisch zu tragenden Last in verteilt ist vertikalen Muffen (4) / die an den Knotenpunkten des Unter gurt es der Laengstraeger (EL1, EL2) vorgesehen sind, wodurch der Tisch nach der Abschaltung aus dem Zwischenraum bzw. Arbeitsraum (22) bis zu einer Position gedrueckt werden kann, in der er ueberhaengt und im stabilen Gleichgewicht ist (Fig.2), wo das Traggeruest der Hebevorrichtung (31) ihn lastmaessig aufnehmen kann.

Machine translation: (Claim 1) 1 Claims system of formwork tables for making ceilings of reinforced concrete type, with each table Move a number of Laengstraegern (EL1, EL2), are the dimensions of her postal carriers field adapted to each other at face cross-connection facilities, on the top flange of the Laengstraeger mounted, longitudinal Abstuetzungsteile, resting of the the cross-connection devices and wear a decking, and a foot-population (5) which vertically in columns (4) is moved to be with the Laengstraegern firmly connected, and can be each foot in height adjusted and locked in the desired position, with certain feet at its lower end Einstellwinden (7), while other manipulation Raeder (8A, 8B, 18) for guiding the table show after shutdown in a Posi tion of load transfer through the lifting device (31) site connected truss or such Traggeruest, wherein anipulationsraedern each table three distributed rows of the first (8A) at its front lower portion, the second (18) forward with respect to a plane (PP1) was added, which contains its center of gravity, and the third (8B) to its rear, lower part has, during its different sliding foot arrangement of porters (5) with winds (7) in dependence on the due the table load to be supported in distributed is vertical joints (4) / the at the nodes of the lower chord member of Laengstraeger (EL1, EL2) are provided, whereby the table after the shuttering of the space or work space (22) to a position may be **pressured** in the ueberhaengt and he is in stable equilibrium (Fig. 2), which can absorb the Traggeruest the lifting device (31) lastmaessig him.

Classifications:

International (IPC 8-9): E04G11/02 E04G11/48

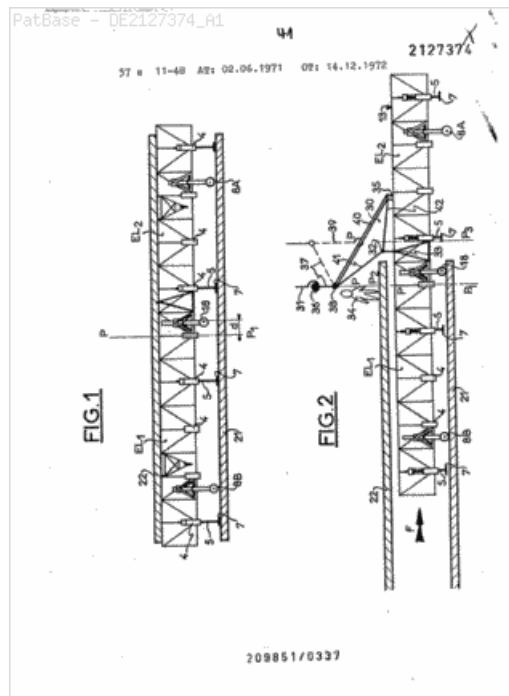
E04G19/00 (Advanced/Invention);

E04G11/00 E04G19/00 (Core/Invention)

International (IPC 1-7): E04G11/02 E04G11/48 E04G19/00

CPC: E04G11/02 E04G11/48 E04G19/003

European: E04G11/02 E04G11/48 E04G19/00A



Family:

Publication number	Publication date	Application number	Application date
DE2127374 A1	19721214	DE19712127374	19710602

Priority:

DE19712127374 19710602

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE2127374 A1	19721214	LSPB	+	published / reissued	
DE2127374 A1	19780720	LSWD	-OHN	WITHDRAWAL	

Title: MODULE

Abstract: A reinforced concrete module for assembly in a **structure** comprising a plurality of the modules is provided, the module comprising two side walls joined together by a base and a ceiling, wherein a profile joint is provided at an open end of the module, the profile joint being configured to mate with a cooperating profile joint provided at an open end of another module such that the open end of the module may be aligned with and joined to the open end of another module during assembly. A module having two side walls joined together by a base and a ceiling in which the side walls of the module comprise lower external portions which taper inwardly towards the base so as to allow concrete to enter respective taper regions when concrete is poured between adjacent modules during assembly is also provided. In addition, a **structure** is provided comprising a plurality of integrally cast reinforced concrete modules, the modules comprising two side walls joined together by a base and a ceiling, wherein the modules are joined together by load bearing structural walls formed by pouring concrete between adjacent modules.

Classifications:

International (IPC 8-9): E04B E04B1/16 E04B1/348 E04B1/35 E04G E04G11/02 E04H E04H1/02 (Advanced/Invention); E04B2/86 (Advanced/Non-invention); E04B1/16 E04B1/348 E04B1/35 E04G11/00 E04H1/02 (Core/Invention); E04B2/86 (Core/Non-invention); E04B E04G E04H (Subclass/Invention)

International (IPC 1-7): E04B E04B1/343 E04B1/348 E04B1/35 E04B13/43 E04G E04G11/00 E04G11/02 E04H E04H1/02

CPC: E04B1/163 E04B1/34823 E04B2/86 E04B1/161

European: E04B1/16A E04B1/16B E04B1/348C2 P04B2/86

PatBase - WO02064899_A2

WO 02/064899

FIG. 1A-1C

1/14

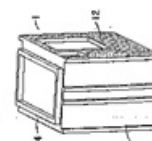


Fig. 1A

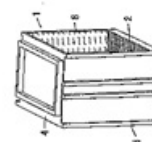


Fig. 1B

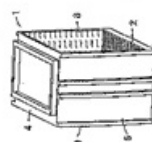


Fig. 1C

Family:

Publication number	Publication date	Application number	Application date
AU2002223409 AA	20020828	AU20020223409	20010919
CN1192150 C	20050309	CN20011019511	20010524
CN1370899 A	20020925	CN20011019511	20010524
CN2512843 Y	20020925	CN20012025318U	20010524
CN2539781 Y	20030312	CN20012025319U	20010524
HK1032327 A2	20010706	HK20010101063	20010214
HK1032328 A2	20010706	HK20010101064	20010214
HK1032329 A2	20010706	HK20010101065	20010214
HK1046819 A2	20030124	HK20010108231	20011122
HK1050923 A1	20051021	HK20030101331	20030221
HK1050923 B	20051021	HK20030101331	20030221
SG91366 A1	20020917	SG20010003282	20010601
SG94836 A1	20030318	SG20010003278	20010601
SG94837 A1	20030318	SG20010003287	20010601
WO02064899 A2	20020822	WO2001CN01432	20010919
WO02064899 A3	20030424	WO2001CN01432	20010919
WO02064899 C1	20021114	WO2001CN01432	20010919
WO02064900 A1	20020822	WO2002CN00035	20020122

Priority:

HK20010101063 20010214 HK20010101064 20010214 HK20010101065 20010214
 WO2001CN01432 20010919 HK20010108231 20011122 HK20030101331 20030221

Probable Assignee: GAMMON FINANCE LTD

Assignee(s): (std): GAMMON FINANCE LTD ; JINMEN FINANCE AND ECONOMICS CO ; JINMEN FINANCE AND ECONOMICS CO LTD ; JINMEN FINANCE CO LTD ; JINMEN FINANCIAL AND ECONOMIC ; JINMEN FINANCIAL AND ECONOMIC CO LTD ; LAWTON JAMES EDWARD

Assignee(s): JINMEN FINANCIAL AND ECONOMIC CO ; GAMMON FINANCE 28 F DEVON HOUSE TAIKOO PLACE 979 KING S ROAD LTD ; GAMMON FINANCE LIMITED ; JINMEN FINANCE CO

Inventor(s): (std): LAUGHTON JAMES E ; LAODUN JAMES E ; ROTON JAMES E ; LAWTON JAMES EDWARD ; JAMES E LAODUN ; JAMES E ROTON ; JAMES E LAUGHTON ; JAMES EDWARD LAWTON

Inventor(s): JAMES E LAUGHTON

Agent(s): MARKS AND CLERK 20 FL CHINACHEM HOLLYWOOD CENTRE 1 13 HOLLYWOOD ROAD CENTRAL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE 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 NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2002223409 AA	20020828	LSPB	+	published / reissued	
AU2002223409 AA	20040212	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2)(F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
CN1192150 C	20050309	LSGT	+	granted / extensions (spc, cpc, pte)	
CN1192150 C	20050309	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN1192150 C	20100804	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN1192150 C	20210524	PEXP		Calculated Patent Term Expiry	
CN1370899 A	20020925	LSPB	+	published / reissued	
CN1370899 A	20020925	LSPB	+C06	PUBLICATION	
CN2512843 Y	20020925	LSGT	+	granted / extensions (spc, cpc, pte)	
CN2512843 Y	20020925	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN2512843 Y	20100901	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN2512843 Y	20110524	PEXP		Calculated Patent Term Expiry	
CN2539781 Y	20030312	LSGT	+	granted / extensions (spc, cpc, pte)	
CN2539781 Y	20030312	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN2539781 Y	20100901	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN2539781 Y	20110524	PEXP		Calculated Patent Term Expiry	
HK1032327 A2	20010706	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1032327 A2	20041215	LSFE	+PF	PATENT IN FORCE	
HK1032327 A2	20090220	LSLE	-PEU	SHORT-TERM PATENTS EXPIRED	EFFECTIVE DATE : 20090213
HK1032327 A2	20210214	PEXP		Calculated Patent Term Expiry	
HK1032328 A2	20010706	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1032328 A2	20041215	LSFE	+PF	PATENT IN FORCE	
HK1032328 A2	20090220	LSLE	-PEU	SHORT-TERM PATENTS EXPIRED	EFFECTIVE DATE : 20090213
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HK1032329 A2	20010706	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1032329 A2	20041215	LSFE	+PF	PATENT IN FORCE	
HK1032329 A2	20090220	LSLE	-PEU	SHORT-TERM PATENTS EXPIRED	EFFECTIVE DATE : 20090213
HK1032329 A2	20210214	PEXP		Calculated Patent Term Expiry	
HK1046819 A2	20030124	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1046819 A2	20041215	LSFE	+PF	PATENT IN FORCE	
HK1046819 A2	20091204	LSLE	-PEU	SHORT-TERM PATENTS EXPIRED	EFFECTIVE DATE : 20091121
HK1046819 A2	20211122	PEXP		Calculated Patent Term Expiry	
HK1050923 A1	20051021	LSPB	+	published / reissued	

HK1050923 A1	20110107	LSLE	-PC	PATENT CEASED (I.E. PATENT HAS LAPSED DUE TO THE FAILURE TO PAY THE RENEWAL FEE)	EFFECTIVE DATE : 20100524
HK1050923 A1	20230221	PEXP		Calculated Patent Term Expiry	
HK1050923 B	20051021	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1050923 B	20230221	PEXP		Calculated Patent Term Expiry	
SG91366 A1	20020917	LSPB	+	published / reissued	
SG94836 A1	20030318	LSPB	+	published / reissued	
SG94837 A1	20030318	LSPB	+	published / reissued	
WO02064899 A2	20020822	LSPB	+	published / reissued	
WO02064899 A3	20031224	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO02064899 A3	20040331	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO
WO02064899 A3	20050913	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP
WO02064899 C1	20021114	LSRE	CR1	CORRECTION OF ENTRY IN SECTION I	TEXT : PAT. BUL. 34/2002 UNDER (30) REPLACE "CN" BY "HK"
WO02064900 A1	20020822	LSPB	+	published / reissued	
WO02064900 A1	20031224	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO02064900 A1	20050316	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO
WO02064900 A1	20060331	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP
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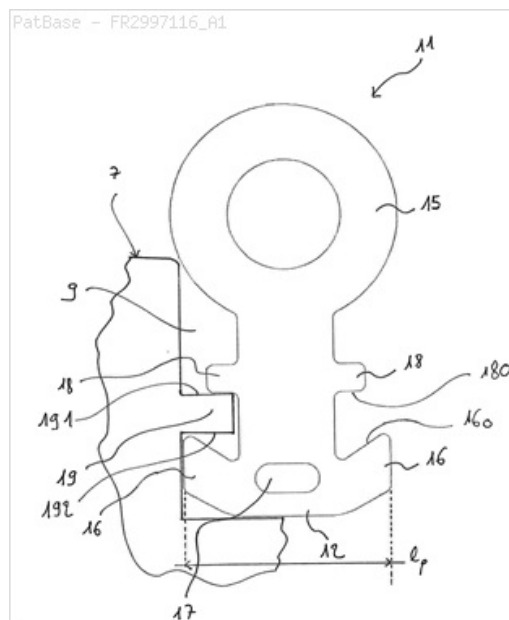
Title: MANNEQUIN POUR LA FABRICATION D'OUVERTURE DANS DU BETON COULE

Abstract: The model has a set of peripheral cross-pieces with a closed contour, where each of the peripheral pieces presents an external face that is in contact with the concrete. Two side faces (7) are in contact in front of the cross-piece during casting of the concrete. The side faces present a longitudinal groove (9) emerging laterally with regard to the model. A sealing unit (11) engages the groove to ensure sealing of the model in contact with a formwork. The sealing unit has an anchoring foot (12) whose width (Ip) is greater than width (Ig) of a narrow part. The sealing unit is provided as a continuous joint. An independent claim is also included for an assembly for realization of an opening.

Classifications:

International (IPC 8-9): E04G15/02 (Advanced/Invention)

CPC: B28B7/186 E04G15/02 B28B7/0011



Family:

Publication number	Publication date	Application number	Application date
FR2997116 A1	20140425	FR20120060012	20121019
FR2997116 B1	20150424	FR20120060012	20121019

Priority:

FR20120060012 20121019

Probable Assignee: ALUCOFF
Assignee(s): (std): ALUCOFF
Inventor(s): (std): GIRONDON ALEXANDRE
Inventor(s): ALEXANDRE GIRONDON
Agent(s): NOVAGRAAF TECHNOLOGIES

Legal status (INPADOC)

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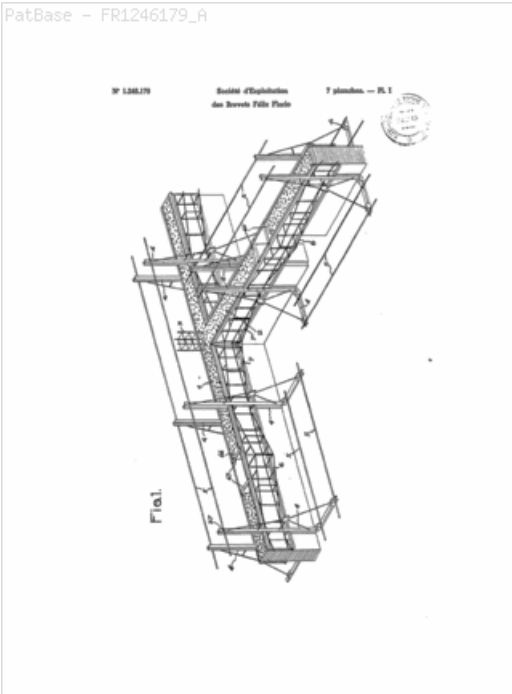
Patent	Date recorded	Event group	Code	Event	Details
FR2997116 A1	20140425	LSPB	+	published / reissued	
FR2997116 B1	20150424	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2997116 B1	20160729	LSLE	-ST	NOTIFICATION OF LAPSE	EFFECTIVE DATE : 20160630
FR2997116 B1	20321019	PEXP		Calculated Patent Term Expiry	

Title: OUTILLAGE A DEPLACEMENT VERTICAL POUR LA CONSTRUCTION DE BATIMENTS VERTICAL TRAVEL TOOLS FOR BUILDING CONSTRUCTION (Machine translation)

Abstract: Source: FR1246179A [FR] (Claim 1) RESUME Outillage a deplacement vertical pour la construction de batiment, remarquable notamment par les caracteristiques suivantes, considerees separement ou en combinaison: a.

Machine translation: (Claim 1) SUMMARY Tooling vertical displacement for the construction of building, remarkable in particular for the following characteristics, considered separately or in combination: a.

Classifications:
International (IPC 8-9): E04G11/22 (Advanced/Invention);
E04G11/00 (Core/Invention)
International (IPC 1-7): E04G11/22
CPC: E04G11/22
European: E04G11/22



Family:

Publication number	Publication date	Application number	Application date
FR1246179 A	19601118	FR19590784215	19590116

Priority:

FR19590784215 19590116

Probable Assignee: BREV FELIX FLORIO SOC D EXPL D

Assignee(s): (std): BREV FELIX FLORIO SOC D EXPL D

Assignee(s): D EXPLOITATION DES BREVETS FELIX FLORIO SOC ; SOCIETE D EXPLOITATION DES BREVETS FELIX FLORIO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR1246179 A	19601118	LSGT	+	granted / extensions (spc, cpc, pte)	
FR1246179 A	19790116	PEXP		Calculated Patent Term Expiry	

Title: FOERFARANDE OCH ANORDNING FOER FOERSPAENNING AV FOERSPAENNBARA BETONG- OCH LIKNANDE STENMATERIALPRODUKTER.

Abstract: Method for pre-stressing of pre-stressable concrete products, according to which a network 3 of pre-stressing wires 2 is drawn in a zigzag shape between two longitudinal edges 6, 7 in a cast base, and bracing elements 10 situated at one edge 7 are displaced away from the other edge 6 in order to stretch the wires uniformly irrespective of variations in the initial tension of the wires, the wires are drawn by the displaceable edge in succeeding groups A, which are moveable relative to the other groups, and the groups are displaced away from the opposite edge 6 by means of a stretching device 14 common to all wire groups. An arrangement intended for application of the method has a stretching bar 11, which is divided into separate longitudinally succeeding secondary bars 11', which are moveable relative to one another in a transverse direction, and a stretching device 14, which is common to all secondary bars and exerts an equal stretching force thereon.

Classifications:

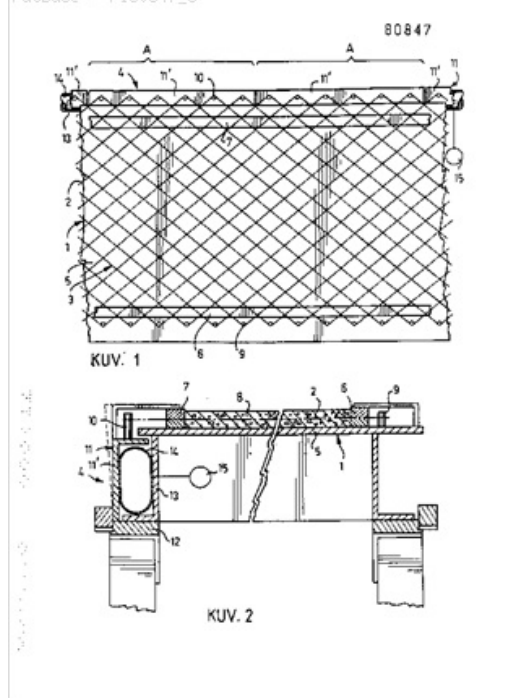
International (IPC 8-9): B28B23/04 E04G21/12 (Advanced/Invention);

B28B23/02 E04G21/12 (Core/Invention);

B28B (Subclass/Invention)

International (IPC 1-7): B28B23/04 E04G21/12

PatBase - FI80847_C



Family:

Publication number	Publication date	Application number	Application date
FI80847 B	19900430	FI19880003212	19880705
FI80847 C	19900810	FI19880003212	19880705
FI883212 A	19900106	FI19880003212	19880705
FI883212 A0	19880705	FI19880003212	19880705

Priority:

FI19880003212 19880705

Probable Assignee:

PARTEK AB

Assignee(s): (std):

PARTEK AB

Assignee(s):

OY PARTEK AB

Inventor(s): (std):

HENTELAE OLAVI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FI80847 B	19900430	LSPB	+	published / reissued	
FI80847 C	19900810	LSGT	+	granted / extensions (spc, cpc, pte)	
FI80847 C	19950215	LSLE	-MM	PATENT LAPSED	
FI80847 C	20040831	LSLE	-MM	PATENT LAPSED	PARTYTYPE : OWNER OWNER : OY PARTEK AB
FI80847 C	20080705	PEXP		Calculated Patent Term Expiry	
FI883212 A	19900106	LSPB	+	published / reissued	

Title: **CLAMP** FOR COUPLING PROPS TO **BEAMS**, PROP COMPRISING SAME AND ASSEMBLY METHOD

Abstract: An **elastic clamp** is for coupling props to **beams**. The **clamp** includes a minimum of two **elastic wings** able to hold and exert **pressure** on opposite lateral faces of the **beam** to be supported by the prop. The **clamp** allows the prop to be retained in a place selected along the **beam** to be supported, and prevents the prop from falling and rotating sideways.

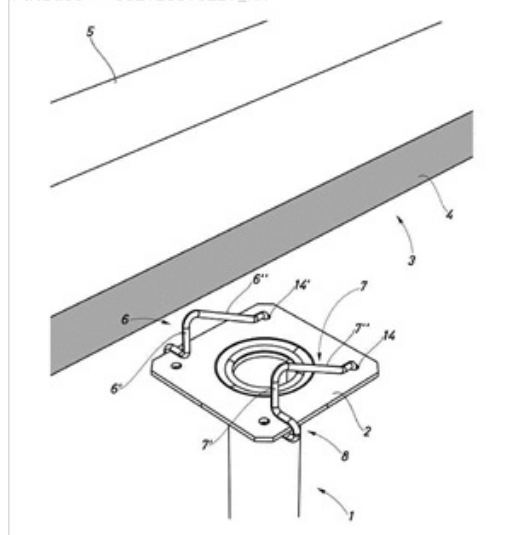
Classifications:

International (IPC 8-9): E04G11/48 E04G11/50 E04G25/00 E04G25/04

F16B2/24 F16B7/04 (Advanced/Invention)

CPC: E04G11/483 F16B2/248 E04G25/02 F16B7/0486 E04G11/48 E04G11/50 E04G25/04 E04G25/00 F16B7/04

PatBase - US2018306220_AA



Family:

Publication number	Publication date	Application number	Application date
CN108138506 A	20180608	CN201680056841	20160921
CO20180003683 A2	20180419	CO20180003683	20180405
EP3358108 A1	20180808	EP20160850419	20160921
EP3358108 A4	20190424	EP20160850419	20160921
ES2607977 AA	20170405	ES20150031411	20151001
ES2607977 BA	20171117	ES20150031411	20151001
IN201847013938 A	20180420	IN201847013938	20180411
MX2018003524 A1	20190425	MX20180003524	20160921
PE07872018 A1	20180508	PE20180000413	20160921
US2018306220 AA	20181025	US20160763396	20160921
WO17055654 A1	20170406	WO2016ES70658	20160921

Priority:

ES20150031411 20151001 WO2016ES70658 20160921

Probable Assignee: SIST TECNICOS DE ENCOFRADOS S A

Assignee(s): (std): SIST TECNICOS DE ENCOFRADOS S A ; SIST TECNICOS DE ENCOFRADOS SA

Assignee(s): SISTEMAS TECNICOS DE ENCOFRADOS S A ; SISTEMAS TECNICOS DE ENCOFRADOS SA

Inventor(s): (std): UBINANA FELIX JOSE LUIS ; JOSE LUIS UBINANA FELIX

Inventor(s): UBI ANA FELIX JOSE LUIS

Agent(s): FERNANDO TRIANA SOTO; DURAN CORRETJER SLP; DURAN CARLOS; DURAN MOYA CARLOS ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR 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
CN108138506 A	20180608	LSPB	+	published / reissued	
CN108138506 A	20180608	LSPB	PB01	PUBLICATION	
CO20180003683 A2	20180419	LSPB	+	published / reissued	
EP3358108 A1	20180808	LSPB	+	published / reissued	
EP3358108 A1	20180808	LSES	+17P	REQUEST FOR EXAMINATION	EFFECTIVE DATE : 20180411

EP3358108 A4	20190424	LSER	+A4	FILED SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20190321
EP3358108 A4	20190424	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : E04G 25/04 20060101ALI20190315BHEP
EP3358108 A4	20190424	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : E04G 11/50 20060101ALI20190315BHEP
EP3358108 A4	20190424	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : E04G 11/48 20060101AFI20190315BHEP
EP3358108 A4	20190424	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : F16B 2/24 20060101ALI20190315BHEP
EP3358108 A4	20190424	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : F16B 7/04 20060101ALI20190315BHEP
ES2607977 AA	20170405	LSPB	+	published / reissued	
ES2607977 BA	20171117	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2607977 BA	20171117	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 2607977 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : B1 DESIGNATED STATE(S) : EFFECTIVE DATE : 20171117
ES2607977 BA	20351001	PEXP		Calculated Patent Term Expiry	
IN201847013938 A	20180420	LSPB	+	published / reissued	
MX2018003524 A1	20190425	LSPB	+	published / reissued	
PE07872018 A1	20180508	LSPB	+	published / reissued	
US2018306220 AA	20181025	LSPB	+	published / reissued	
US2018306220 AA	20180412	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SISTEMAS TECNICOS DE ENCOFRADOS, S.A., SPAIN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:UBINANA FELIX, JOSE LUIS; REEL/FRA:045525/0295 EFFECTIVE DATE : 20180326
US2018306220 AA	20190201	LSER	NFA1	Non Final Action Mailed	
WO17055654 A1	20170406	LSPB	+	published / reissued	
WO17055654 A1	20180320	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 000413- 2018 COUNTRY OF REF DOCUMENT : PE
WO17055654 A1	20180322	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2018/003524 COUNTRY OF REF DOCUMENT : MX
WO17055654 A1	20180404	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO17055654 A1	20180417	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 15763396 COUNTRY OF REF DOCUMENT : US
WO17055654 A1	20180502	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2016850419 COUNTRY OF REF DOCUMENT : EP

Title: A device for the forming joints in a floor pavement of the industrial type generally made of concrete

Abstract: The invention provides a device for forming joints in a floor or pavement, generally made of concrete. The device includes a guide bar and assembling members, having oblique legs forming an inverted V. The summit of the inverted V has a part rising from it in the form of a crest with vertical sides and a horizontal edge. The guide bar has a profile with a lower part which has the shape of a two legged **clamped**-nail, each of the legs of the **clamp**-nail having on their internal side, at some distance down from the summit of the **clamp**-nail, a boss forming a locking means for holding together the guide bar and the assembling members when said guide bar is placed astride the crest of an assembling member.

Classifications:

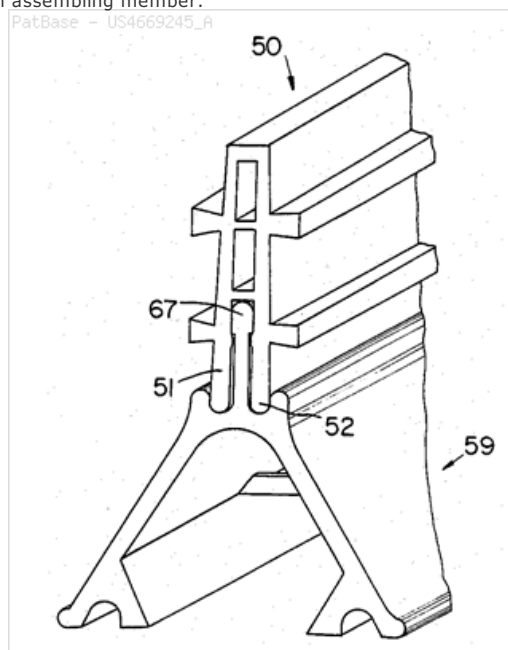
International (IPC 8-9): E01C11/10 E04F15/14 (Advanced/Invention);
E01C11/02 E04F15/12 (Core/Invention)

International (IPC 1-7): E01C11/10 E04B2/00 E04F15/12 E04F15/14
E04G21/10

CPC: E01C11/106 E04F15/14

European: E01C11/10C E04F15/14

US: 52/318 52/370 52/372



Family:

Publication number	Publication date	Application number	Application date
DE3563080 D1	19880707	DE19853563080	19850130
EP0152367 A1	19850821	EP19850460003	19850130
EP0152367 B1	19880601	EP19850460003	19850130
ES284451 U	19850701	ES19850284451U	19850207
ES284451 Y	19860401	ES19850284451U	19850207
ES284451 Y1	19860429	ES19850284451U	19850207
FR2559188 A1	19850809	FR19840001978	19840207
FR2559188 B1	19880729	FR19840001978	19840207
US4669245 A	19870602	US19850697398	19850201

Priority:

FR19840001978 19840207

Probable Assignee:

LUCAS JEAN CLAUDE

Assignee(s): (std):

LUCAS JEAN CLAUDE

Assignee(s):

JEAN CLAUDE LUCAS

Inventor(s): (std):

LUCAS JEAN CLAUDE

Designated states:

BE CH DE GB IT LI NL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE3563080 D1	19890622	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE3563080 D1	19940113	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
EP0152367 A1	19850821	LSPB	+	published / reissued	
EP0152367 A1	19860409	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19860127
EP0152367 A1	19861230	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19861031
EP0152367 A1	19870513	LSES	+R17C	FIRST EXAMINATION	EFFECTIVE DATE : 19870327

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EP0152367 B1	19880601	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0152367 B1	19880601	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL LAPSED DATE : 19880601
EP0152367 B1	19880601	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 : 19880601
EP0152367 B1	19881116	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
EP0152367 B1	19890131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE LAPSED DATE : 19890131
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EP0152367 B1	19890731	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : LUCAS JEAN-CLAUDE EFFECTIVE DATE : 19890131
EP0152367 B1	19890929	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0152367 B1	19911210	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 19911210 YEAR OF FEE PAYMENT : 8
EP0152367 B1	19911218	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 19911218 YEAR OF FEE PAYMENT : 8
EP0152367 B1	19930130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB LAPSED DATE : 19930130
EP0152367 B1	19930929	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 19930130
EP0152367 B1	19931001	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE LAPSED DATE : 19931001
ES284451 U	19850701	LSPB	+	published / reissued	

ES284451 Y	19860401	LSGT	+	granted / extensions (spc, cpc, pte)	
ES284451 Y	19970416	LSLE	-FD1K	UTILITY MODEL LAPSED	EFFECTIVE DATE : 19970303
ES284451 Y	19950207	PEXP		Calculated Patent Term Expiry	
ES284451 Y1	19860429	LSGT	+	granted / extensions (spc, cpc, pte)	
ES284451 Y1	19950207	PEXP		Calculated Patent Term Expiry	
FR2559188 A1	19850809	LSPB	+	published / reissued	
FR2559188 B1	19880729	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2559188 B1	19941230	LSLE	-ST	NOTIFICATION OF LAPSE	
FR2559188 B1	20040207	PEXP		Calculated Patent Term Expiry	
US4669245 A	19870602	LSGT	+	granted / extensions (spc, cpc, pte)	
US4669245 A	19870401	LSGT	PAT1	Patented Case	
US4669245 A	19901129	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US4669245 A	19950604	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4669245 A	19950815	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19950607
US4669245 A	20180131	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US4669245 A	20180131	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US4669245 A	20050201	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	

Title: ADICION A LA PATENTE DE INVENCION P200501204 TITULADA GUARDACUERPO DE SEGURIDAD PARA ESTRUCTURAS DE HORMIGON DE EDIFICIOS REALIZADO EN MATERIAL TERMOPLASTICO

Abstract: Source: ES2297991B [ES] Adicion a la patente de invencion n degrees P 200501204 titulada: Guardacuerpo de seguridad para estructuras de hormigon de edificios realizado en material termoplastico. Se trata de un sistema de anclaje del montante vertical del guardacuerpos de seguridad, a la base de empotramiento previamente incrustada en el hormigon del forjado, que consiste en disponer para dicho empotramiento de unos canales macho - hembra o ganchos opuestos posicionados en base y montante respectivamente y paralelamente al borde del forjado, bajo las alas del montante mas traccionadas o mas comprimidas, logrando una perfecta transmision al forjado de los esfuerzos debidos al momento flector originado por una persona que se apoye en la barandilla. La base presenta como dijimos unas aletas inferiores ranuradas para fijarse en el hormigon. El montante se posiciona por deslizamiento lateral entre macho y hembra, disponiendo de topes longitudinales rigidos, pero elasticos transversalmente para su doblado y poder asi retirar el montante al acabar la obra.

Classifications:

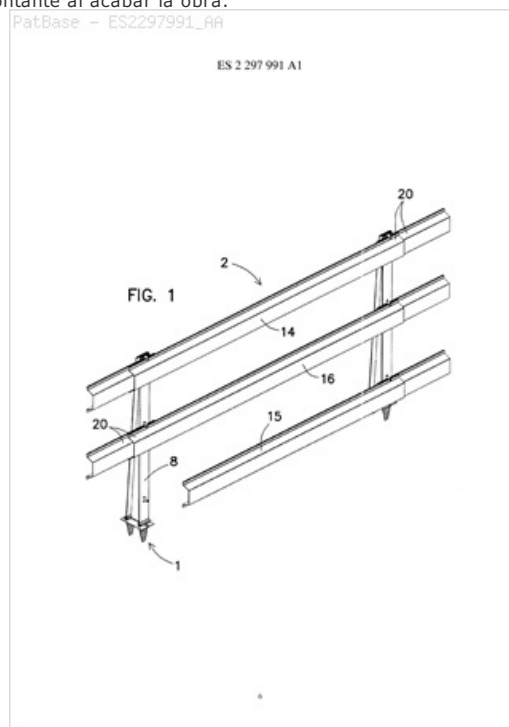
International (IPC 8-9): E04G21/32 (Advanced/Invention);

E04G21/32 (Core/Invention)

CPC: E04G21/3223

European: E04G21/32B6

PatBase - ES2297991_AA



Family:

Publication number	Publication date	Application number	Application date
ES2297970 AA	20080501	ES20050001204	20050518
ES2297970 BA	20090720	ES20050001204	20050518
ES2297991 AA	20080501	ES20050002426	20051006
ES2297991 BA	20090720	ES20050002426	20051006

Priority:

ES20050001204 20050518

Probable Assignee: JIMENEZ SANCHEZ JAIME ENRIQUE

Assignee(s): (std): JIMENEZ SANCHEZ JAIME ENRIQUE

Assignee(s): JAIME ENRIQUE JIMENEZ SANCHEZ

Inventor(s): (std): JIMENEZ SANCHEZ JAIME ENRIQUE

Inventor(s): JAIME ENRIQUE JIMENEZ SANCHEZ

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
ES2297970 AA	20080501	LSPB	+	published / reissued	
ES2297970 AA	20080501	LSES	+EC2A	SEARCH REPORT PUBLISHED	DATE OF REF DOCUMENT : 20080501 KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :
ES2297970 BA	20090720	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2297970 BA	20090720	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 2297970B1

					COUNTRY OF REF DOCUMENT : ES
ES2297970 BA	20250518	PEXP	Calculated Patent Term Expiry		
ES2297991 AA	20080501	LSPB	+	published / reissued	
ES2297991 AA	20080501	LSES	+EC2A	SEARCH REPORT PUBLISHED	DATE OF REF DOCUMENT : 20080501 KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :
ES2297991 BA	20090720	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2297991 BA	20090720	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 2297991B1 COUNTRY OF REF DOCUMENT : ES
ES2297991 BA	20190619	LSLE	-FD2A	ANNOUNCEMENT OF LAPSE IN SPAIN	EFFECTIVE DATE : 20190619
ES2297991 BA	20251006	PEXP	Calculated Patent Term Expiry		

Title: HANDLING SYSTEM FOR CONCRETE FLOOR **BEAM** MOULDS - PIVOTED WITH LIFTING DEVICES POSITIONS ROWS OF MOULD ELEMENTS

Abstract: The machine comprises a wheeled carriage (3) running on rails (1) along the sides of a base (2). The mould elements (12) are taken from pallets (7) on a platform (6) and positioned on a bridge (9). A **beam** (15) with a number of lifting devices (14) is pivoted about a shaft (17) by hydraulic rams (18). Each row of mould elements is lifted in turn down to the floor. A hydraulic ram (28) suspended from the bridge pushes a cross-bar (34) to press the rows of elements together, and also to move the carriage rearwards a distance equal to the element length. Hydraulic fluid is supplied by a single electric motor and hydraulic pump to the pivoting and parking rams (18, 28), the lifting devices (14) and a drive motor to move the carriage.

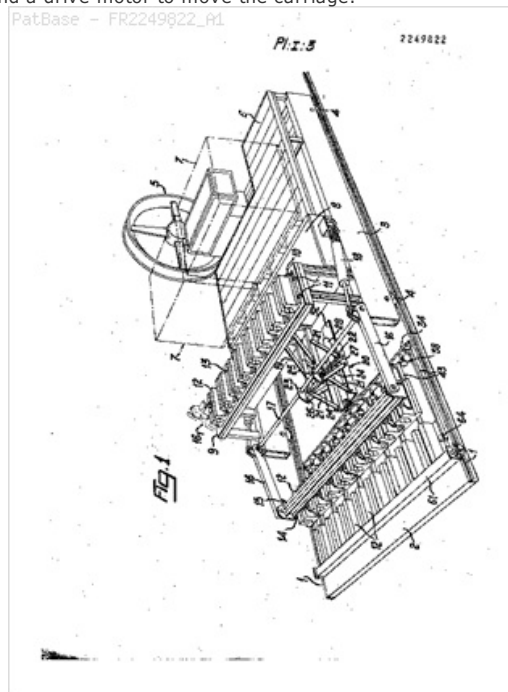
Classifications:

International (IPC 8-9): B28B23/06 B65G47/90 (Advanced/Invention);
B28B23/02 B65G47/90 (Core/Invention)

International (IPC 1-7): B65G47/82 E04B5/43 E04G21/00

CPC: B28B23/06 B65G47/902

European: B28B23/06 B65G47/90D



Family:

Publication number	Publication date	Application number	Application date
FR2249822 A1	19750530	FR19730039313	19731106
FR2249822 B3	19760917	FR19730039313	19731106

Priority:

FR19730039313 19731106

Probable Assignee:

STUP PROCEDES FREYSSINET

Assignee(s): (std):

STUP PROCEDES FREYSSINET

Assignee(s):

STUP PROCEDES FREYSSINET FR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR2249822 A1	19750530	LSPB	+	published / reissued	
FR2249822 B3	19760917	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2249822 B3	19770128	LSAS	CD	CHANGE OF NAME OR COMPANY NAME	
FR2249822 B3	19791106	PEXP		Calculated Patent Term Expiry	

Title: CORNER CLIMBER

Abstract: The present invention is a novel device for climbing inside corners, outside corners, and a variety of surfaces. The technology presented herein relies on high friction materials, suction devices, adhesive materials, pneumatic devices, etc. Specifically, embodiments of the present invention are designed to **clamp** onto inside or outside corners such that the devices weight, and an optional load, can be supported. Further embodiments allow the device to climb up, down, and across corners. Moreover, embodiments that can scale flat, rough, or jagged surfaces are also disclosed.

Classifications:

International (IPC 8-9): A47F5/00 A47F5/08 A63B27/00 A63B29/00 E04G21/32 (Advanced/Invention);

A47F5/00 A47F5/08 A63B27/00 A63B29/00 (Core/Invention)

International (IPC 1-7): A47F5/08 A63B71/00 E06C7/18

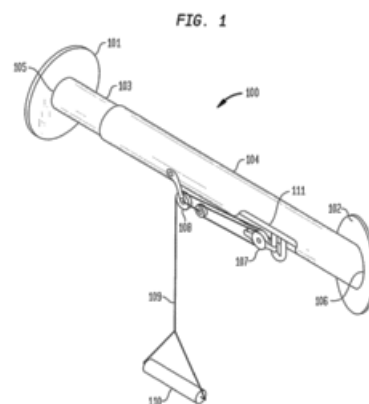
CPC: Y10S248/925 E04G21/32 A63B29/00 A63B27/00 A63B2208/12 A63B2225/055

European: A63B27/00 A63B29/00 K63B208/12 K63B225/05F

US: 248/200.1 248/229.1 248/231.9 248/231.91 248/231.910P 248/694 248/925 254/242

PatBase - US2003209642_AA

Patent Application Publication Nov. 13, 2003 Sheet 1 of 80 US 2003/0209642 A1



Family:

Publication number	Publication date	Application number	Application date
US2003209642 AA	20031113	US20020142738	20020509
US2005167556 AA	20050804	US20040969272	20041020
US2005263658 AA	20051201	US20050197385	20050804
US2006065799 AA	20060330	US20050280765	20051116
US7717381 BB	20100518	US20050280765	20051116
US7793911 BB	20100914	US20040969272	20041020
US7823845 BB	20101102	US20020142738	20020509
US7871049 BB	20110118	US20050197385	20050804
USRE46299 E	20170207	US20120494580	20120612

Priority:

US20020142738 20020509 US20040969272 20041020 US20050197385 20050804
US20050280765 20051116 US20120494580 20120612

Probable Assignee: DMR HOLDING GROUP LLC

Assignee(s): (std): DMR HOLDING GROUP LLC ; FONTANA RICHARD ; REINFELD DAVID

Assignee(s): CFG HOLDING CO

Inventor(s): (std): FONTANA RICHARD ; REINFELD DAVID

Agent(s): WARD AND OLIVO; KELLEY DRYE AND WARREN LLP

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2003209642 AA	20031113	LSPB	+	published / reissued	
US2003209642 AA	20090213	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DMR HOLDING GROUP, LLC, NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: SHELFWORKS TECHNOLOGIES, LLC;

US2005167556 AA	20050804	LSPB	+	published / reissued	
US2005167556 AA	20090217	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DMR HOLDING GROUP, LLC, NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:REINFELD, DAVID M.; FONTANA, RICHARD R.; REEL/FRAME:022264/0009 EFFECTIVE DATE : 20090101
US2005167556 AA	20090217	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DMR HOLDING GROUP, LLC,NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:REINFELD, DAVID M.; FONTANA, RICHARD R.; REEL/FRAME:022264/0009 EFFECTIVE DATE : 20090101
US2005167556 AA	20100825	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2005263658 AA	20051201	LSPB	+	published / reissued	
US2005263658 AA	20090217	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DMR HOLDING GROUP, LLC, NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:REINFELD, DAVID M.; FONTANA, RICHARD R.; REEL/FRAME:022264/0009 EFFECTIVE DATE : 20090101
US2005263658 AA	20090217	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DMR HOLDING GROUP, LLC,NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:REINFELD, DAVID M.; FONTANA, RICHARD R.; REEL/FRAME:022264/0009 EFFECTIVE DATE : 20090101
US2005263658 AA	20101228	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2006065799 AA	20060330	LSPB	+	published / reissued	
US2006065799 AA	20090217	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DMR HOLDING GROUP, LLC, NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:REINFELD, DAVID M.; FONTANA, RICHARD R.; REEL/FRAME:022264/0009 EFFECTIVE DATE : 20090101
US2006065799 AA	20090217	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DMR HOLDING GROUP, LLC,NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:REINFELD, DAVID M.; FONTANA, RICHARD R.; REEL/FRAME:022264/0009 EFFECTIVE DATE : 20090101
US7717381 BB	20100518	LSGT	+	granted / extensions (spc, cpc, pte)	
US7717381 BB	20100428	LSGT	PAT1	Patented Case	
US7717381 BB	20131018	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7717381 BB	20180101	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.)
US7717381 BB	20180618	LSLE	-LAPS	LAPSE FOR FAILURE	TEXT : PATENT EXPIRED FOR FAILURE

				TO PAY MAINTENANCE FEES	TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.)
US7717381 BB	20180618	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7717381 BB	20180618	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7717381 BB	20180710	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20180518
US7717381 BB	20251116	PEXP		Calculated Patent Term Expiry	
US7793911 BB	20100914	LSGT	+	granted / extensions (spc, cpc, pte)	
US7793911 BB	20100825	LSGT	PAT1	Patented Case	
US7793911 BB	20140305	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7793911 BB	20250103	PEXP		Calculated Patent Term Expiry (PTA 75 days)	
US7823845 BB	20101102	LSGT	+	granted / extensions (spc, cpc, pte)	
US7823845 BB	20030620	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CFG HOLDING COMPANY, NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FONTANA, RICHARD; REINFELD, DAVID; SIGNING DATES FROM 20030311 TO 20030612; REEL/FRA:014199/0023
US7823845 BB	20030620	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CFG HOLDING COMPANY, NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FONTANA, RICHARD; REINFELD, DAVID; REEL/FRA:014199/0023; SIGNING DATES FROM 20030311 TO 20030612
US7823845 BB	20101013	LSGT	PAT1	Patented Case	
US7823845 BB	20140408	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7823845 BB	20180618	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.)
US7823845 BB	20181210	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	TEXT : PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
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US7823845 BB	20230325	PEXP		Calculated Patent Term Expiry (PTA 320 days)	
US7871049 BB	20110118	LSGT	+	granted / extensions (spc, cpc, pte)	

US7871049 BB	20101228	LSGT	PAT1	Patented Case	
US7871049 BB	20140612	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7871049 BB	20180301	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7871049 BB	20291113	PEXP		Calculated Patent Term Expiry (PTA 1562 days)	
USRE46299 E	20170118	LSGT	PAT1	Patented Case	
USRE46299 E	20180301	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8

Title: DEVICE FOR POSITIONING A ROPE ACCESS TECHNICIAN IN RELATION TO A BLADE OF A WIND TURBINE

Abstract: A device for positioning a rope access technician next to a blade of a wind turbine, including a rigid spine, one or more **clamp** assemblies with each **clamp** assembly connected to the rigid spine and each **clamp** assembly capable of **clamping** to a blade of a wind turbine, and a lower platform connected to a lower portion of the rigid spine with a substantially flat top surface on which a technician may sit, stand or place items.

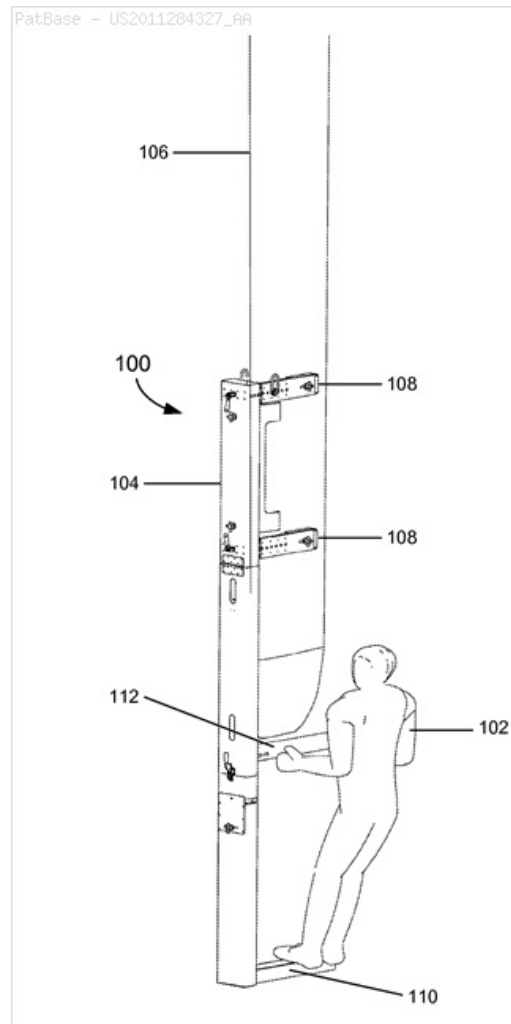
Classifications:

International (IPC 8-9): E04G3/24 F03D1/00 (Advanced/Invention)

CPC: E04G3/24 F03D80/50

European: E04G3/24

US: 182/130 182/142 182/150 182/222 182/222S



Family:

Publication number	Publication date	Application number	Application date
US2011284327 AA	20111124	US20110112236	20110520
US2014196987 AA	20140717	US20140215376	20140317

Priority:

US20100346885P 20100520 US20110112236 20110520 US20140215376 20140317

Probable Assignee: ROPE PARTNER INC

Assignee(s): (std): CANE JEAN PAUL ; CRAYTON JOSHUA ; ROPE PARTNER INC ; DEWIT JOHN ; DEPUTY RANDY ; GRANGER DAVID M ; STANFIELD ERIC

Inventor(s): (std): STANFIELD ERIC ; GRANGER DAVID M ; DEWIT JOHN ; DEPUTY RANDY ; CRAYTON JOSHUA ; CANE JEAN PAUL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2011284327 AA	20111124	LSPB	+	published / reissued	
US2011284327 AA	20110915	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ROPE PARTNER, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST;

ASSIGNORS:CRAYTON, JOSHUA;
DEWIT, JOHN; CANE, JEAN-PAUL; AND
OTHERS; SIGNING DATES FROM
20110721 TO 20110914;
REEL/FRAME:026913/0853

US2011284327 AA	20140419	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2011284327 AA	20140419	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
US2014196987 AA	20140717	LSPB	+	published / reissued	
US2014196987 AA	20140404	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ROPE PARTNER, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:CRAYTON, JOSHUA; DEWIT, JOHN; CANE, JEAN-PAUL; AND OTHERS; SIGNING DATES FROM 20110721 TO 20110914; REEL/FRAME:032609/0056
US2014196987 AA	20141212	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2014196987 AA	20141212	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION

Title: SHUTTERING ARRANGEMENT

Abstract: The system (1) has two shuttering walls (2) set up at a distance from each other and spacers (6) which hold them apart until the concrete (5) has hardened. The spacers have threaded (12) steel pins (7). The pins extend through the two shuttering walls and project with end sections on both outer sides. The spacers have first (8) and second (11) stops which stop either directly or indirectly against the inner and outer walls respectively of the shuttering. The first and second stops can be **clamped** together. The second stop has a nut (10) of a hard material such as steel, which screws onto the corresponding pin, and has a stop surface which abuts the outside of the shuttering wall.

Classifications:

International (IPC 8-9): E04G17/06 E04G17/065

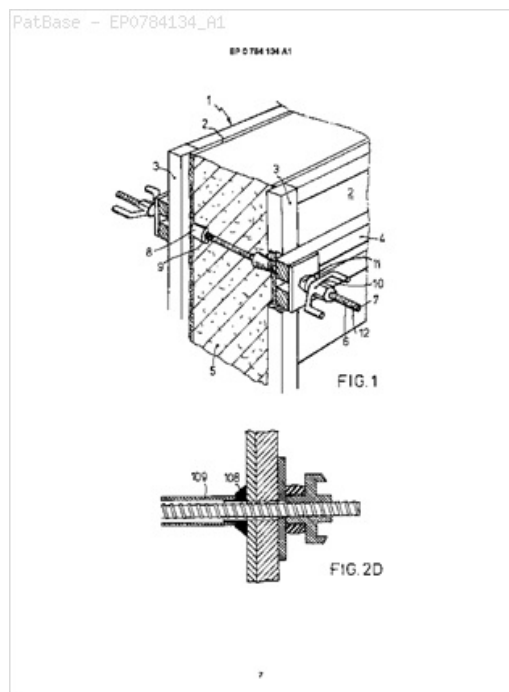
F16B39/24 (Advanced/Invention);

E04G17/06 F16B39/00 (Core/Invention)

International (IPC 1-7): E04G17/06 E04G17/65

CPC: E04G17/065 F16B39/24

European: E04G17/065 E04G17/06B F16B39/24

**Family:**

Publication number	Publication date	Application number	Application date
AT318973 E	20060315	AT19970200023T	19970115
DE59712585 D1	20060427	DE19975012585	19970115
EP0784134 A1	19970716	EP19970200023	19970115
EP0784134 B1	20060301	EP19970200023	19970115
NL1002095 C2	19970716	NL19961002095	19960115

Priority:

NL19961002095 19960115

Probable Assignee: VAN RIJN GERARDUS

Assignee(s): (std): GERARDUS VAN RIJN ; RIJN GERARDUS VAN ; VAN RIJN GERARDUS

Inventor(s): (std): RIJN GERARDUS VAN ; VAN RIJN GERARDUS

Inventor(s): GERARDUS VAN RIJN

Designated states: AT BE CH DE FR GB LI NL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT318973 E	20060315	LSGT	+	granted / extensions (spc, cpc, pte)	
AT318973 E	20170115	PEXP		Calculated Patent Term Expiry	
DE59712585 D1	20070322	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
EP0784134 A1	19970716	LSPB	+	published / reissued	
EP0784134 A1	19980311	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19980108
EP0784134 A1	20011107	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20010921
EP0784134 A1	20060301	LSGT	REG	REFERENCE TO A	REF COUNTRY CODE : GB

				NATIONAL CODE	REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP0784134 A1	20060315	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP0784134 A1	20070207	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20061204
EP0784134 A1	20071015	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : CH OWNER : VAN RIJN, GERARDUS REF LEGAL EVENT CODE : PFA OLDPARTY : VAN RIJN, GERARDUS#HERENWEG 96#NL- 3648 CL WILNIS (NL) -TRANSFER TO- VAN RIJN, GERARDUS#HERENWEG 96#NL- 3648 CL WILNIS (NL)
EP0784134 A1	20150114	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 : 19
EP0784134 A1	20150430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20150113 YEAR OF FEE PAYMENT : 19
EP0784134 A1	20150430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20150113 YEAR OF FEE PAYMENT : 19
EP0784134 A1	20150529	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20150107 YEAR OF FEE PAYMENT : 19
EP0784134 A1	20150529	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20150112 YEAR OF FEE PAYMENT : 19
EP0784134 A1	20150529	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20150114 YEAR OF FEE PAYMENT : 19
EP0784134 A1	20150630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20150107 YEAR OF FEE PAYMENT : 19
EP0784134 A1	20160331	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160105 YEAR OF FEE PAYMENT : 20
EP0784134 A1	20160531	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 : 20160131
EP0784134 A1	20160802	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 59712585 COUNTRY OF REF DOCUMENT : DE
EP0784134 A1	20160831	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0784134 A1	20160915	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 318973 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20160115
EP0784134 A1	20160928	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL	REF COUNTRY CODE : EP EFFECTIVE DATE : 20160115

FEE					
EP0784134 A1	20161028	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20160930
EP0784134 A1	20161031	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 : 20160131
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EP0784134 A1	20161031	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 : 20160802
EP0784134 A1	20161031	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 : 20160131
EP0784134 A1	20161130	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 NON-PAYMENT OF DUE FEES LAPSED DATE : 20160115
EP0784134 A1	20161130	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 : 20160201
EP0784134 B1	20060301	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0784134 B1	20170115	PEXP		Calculated Patent Term Expiry	
NL1002095 C2	19970716	LSGT	+	granted / extensions (spc, cpc, pte)	
NL1002095 C2	19970901	LSSES	+PD2B	A SEARCH REPORT HAS BEEN DRAWN UP	
NL1002095 C2	20081001	LSLE	-VD1	LAPSED DUE TO NON-PAYMENT OF THE ANNUAL FEE	EFFECTIVE DATE : 20080801
NL1002095 C2	20160115	PEXP		Calculated Patent Term Expiry	

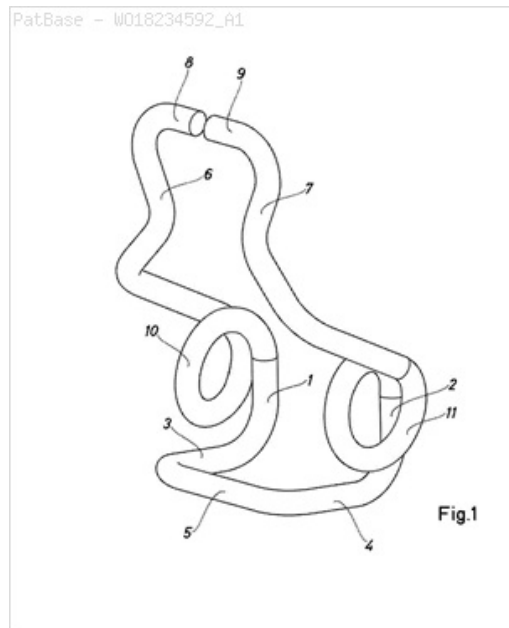
Title: **CLAMP** FOR DETACHABLE FASTENING

Abstract: The invention relates to a **clamp** for the detachable fastening of two formwork **beams** that cross, which comprises an **elastic**, single-piece **structure** with two intermediate arms that join respective areas intended to press both **beams** in support areas, the single-piece **structure** being formed by a rod of **elastic** material having two intermediate arms, the upper ends of which extend into respective extensions intended to press support areas of one of the **beams** to be fastened, while the other ends extend into a U- or V-shaped bridge intended to press the support area of the opposite **beam** to be joined, the rod comprising an **elastic** means in the form of a helical rod section.

Classifications:

International (IPC 8-9): E04G11/52 E04G17/04 F16B2/24 F16B7/04 (Advanced/Invention)

CPC: E04G11/52 E04G17/04 F16B2/24 F16B7/04



Family:

Publication number	Publication date	Application number	Application date
WO18234592 A1	20181227	WO2017ES70450	20170620

Priority:

WO2017ES70450 20170620

Probable Assignee: SIST TECNICOS DE ENCOFRADOS S A

Assignee(s): (std): SIST TECNICOS DE ENCOFRADOS S A

Assignee(s): SISTEMAS TECNICOS DE ENCOFRADOS SA

Inventor(s): (std): UBINANA FELIX JOSE LUIS

Agent(s): DURAN MOYA CARLOS ET AL

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
WO18234592 A1	20181227	LSPB	+	published / reissued	

Title: PRESTRESSING OF WIDE SPAN HEAVILY LOADED **STRUCTURE** - GENERATES MOMENT PATTERN WITH SLIGHT VARIATION BETWEEN PRESTRESSING AND FULL LOADING

Abstract: The prestressing process is for the erection of load bearing **structures**, where wide spans and/or heavy loadings are involved. The object here is to limit form changes under loading, with **structures**, or parts or members of them, made rigid with the aid of prestressing. This is applicable to a wide range of **structures** and materials. This involves third forces, promoting alterations, in length, as a high percentage of full loading. By this means a pattern of moment is generated, varying only slightly between prestressing and full loading, in alteration with the useful and/or inherent loads, and/or other vertical or horizontal loads.

Classifications:

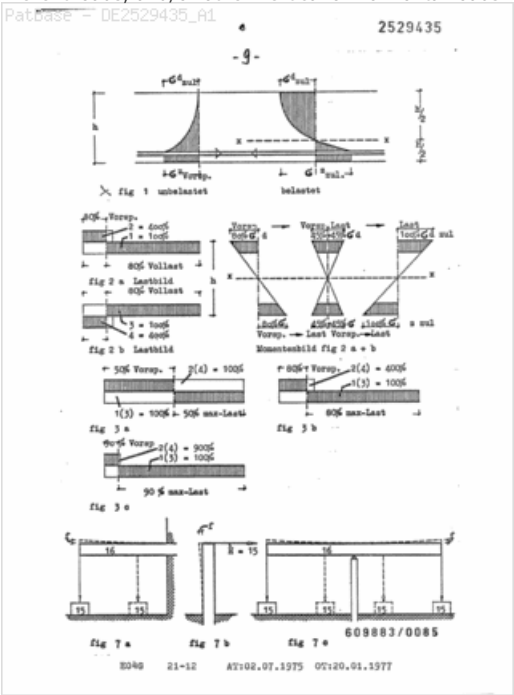
International (IPC 8-9): E04G21/12 (Advanced/Invention);

E04G21/12 (Core/Invention)

International (IPC 1-7): E04G21/12

CPC: E04G21/12

European: E04G21/12



Family:

Publication number	Publication date	Application number	Application date
DE2529435 A1	19770120	DE19752529435	19750702

Priority:

DE19752529435 19750702

Probable Assignee:

DEGENKOLBE DETLEF DIPL ING

Assignee(s): (std):

DEGENKOLBE DETLEF DIPL ING

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE2529435 A1	19770120	LSPB	+	published / reissued	
DE2529435 A1	19780518	LSLE	-OHJ	NON-PAYMENT OF THE ANNUAL FEE	