

100 Documents

Publication numbers	Title	Current assignees
WO2004113645 A1	Formwork systems	BILOWOL PETER
BE-650382 A	Assemblable formwork for reinforced concrete structures	PLUECKEBAUM PAUL
AU2013101084 A4	Cantilevered supplementary support platform for modular scaffold	4 KEN
CA2880626 A1	Formwork support element	FORM 700
WO8912725 A1	Scaffolding	GKN AUSTRALIA
WO201170530 A1	Adjustable metal formwork system for concrete structures	ROJAS PIMIENTO Efrain, ...
HK1024379 A2	Scaffolding	WUI LOONG SCAFFOLDING WORKS
NO9303828 D0	Form panel	NISSO INDUSTRY
EP1233122 A2	Facade scaffolding	SIST S TECNICOS DE ENCOFRADOS
HK1172196 A2	Improvements in scaffolding	WLS INTELLECTUAL PROPERTY
DE3641349 A1	Structural support	ISCHEBECK FRIEDRICH
US20030178253 A1	Portable aircraft maintenance platform	A C A INTERNATIONAL
FR2495674 A1	Formwork used during concrete floor pouring - includes screw jacks disposed below vertical load bearing members of two spaced and braced modular truss sections	ANTHES EQUIP
CA1120283 A	Truss shoring system and apparatus therefor	ANTHES EQUIP
US20170254099 A1	Adjustable platform extension bracket for work platform systems and related methods	BRANDSAFWAY SERVICES
KR101641335 B1	Wood gang form and method for constructing concrete building using same	SEOBO INDUSTRIAL
WO9841714 A1	Forming device for settable fluids for use in construction	PATRICK & DE LE FEVRE
CN102587647 A	Early-removal formwork system for concreting of constructions comprising beams, plates and columns	SHANDONG PRIMA FORMWORK
EP3375953 A1	Swing girder and scaffold system with such swing girder and a method of erecting the scaffold system	SCAFOM HOLDING
KR20170119777 A	Safety support device module	BLUE FORM
KR20170062891 A	A going up and down worktable for work scaffold and concrete mold system comprising the same	SEO BO GASEOL INDUSTRIAL
WO2010107492 A1	Flexible, multi-configuration concrete form system	DINESOL PLASTICS NILES OH
CN107795112 A	High-maneuverability building outer wall aerial working platform structure	CHENGDU HUAYANG CONSTRUCTION
GB201716844 D0	Support apparatus	BLACK JOHN ALEXANDER

Publication numbers	Title	Current assignees
CA2984550 A1	Scaffold with scaffold holder receptacle and use of an aperture in a scaffold pole	PERI
NL2019510 B1	Buisconstructie	RECO HOLDING
WO200547623 A1	Metal formwork with accessories for moulding concrete	Gustavo Serrano Rodriguez
JP11241497 A	Frames and structures assembled by same	NISSO SANGYO
US20130326983 A1	Wall forming system and method thereof	PALADIN INDUSTRIAL
CA2880140 A1	Modular platform	THREE G METAL FABRICATIONS
CA2853145 A1	Equipment and method for demolishing a building	DESPE
IT2000PD0278 A1	Modular elements for formworks	ECOLE NATIONALE SUPERIEURE ARTS & METIERS
CA2839940 A1	Formwork support improvements	FORM 700
WO201448937 A1	Wall formwork with a sealing system	HUNNEBECK
DE4243216 A1	Wedge action connector	MUELLER, ...
GB201504769 D0	Adjustable scaffold	BLACK JOHN ALEXAMNDER, ...
US20140263942 A1	Hybrid insulated concrete form and method of making and using same	CIUPERCA ROMEO
AU-247001 A0	Moulding of concrete walls	SCALLAN P J
GB200922219 D0	Scaffolding	BPS ACCESS SOLUTIONS
GB200421814 D0	Work platform	AUS STRUCT SERVICES
AU2003903307 A0	Improvements in scaffolding brackets	ROPE ACCESS BUILDING SERVICES PTY
PT-102875 A	Formwork	CIVILPLAS APLICACOES MODULARES
WO8404127 A1	Self propelled scaffold for buildings	KISUZEMI INNOVACIOS IRODA H 1082 BUDAPEST HORVATH M TER 10 HUNGARY
FR3046620 A1	Scaffold comprising two sets of ladders kept spaced from one another by a pre-assembled collapsible base	TUBESCA COMABI
CA2912837 A1	Work platform system including suspended paneled portion and method of implementing same	SAFWAY SERVICES
WO201412685 A1	Assembly of formwork and graduated anchoring system	HUENNEBECK
CN1472410 A	A method for pouring a building integrallty and a special moulding assembly thereof	TANG JINYUAN
DE3014212 A1	Mobile scaffolding and ladder components - are of size and shape permitting single handled erection, dismantling and adjustment	PLETTAC 5970 PLETTENBERG

Publication numbers	Title	Current assignees
WO2018122721 A1	Formwork mechanism for casting and moulding concrete which comprises a coffer with a sheet and four plates disposed on the perimeter of the sheet	CLARO CARRASCAL DOMINGO DE GUZMAN
WO2016130100 A1	A novel concrete molding system	BINAY HANDE
KR101884626 B1	Scaffold connected by the rack method	YOO, NAM HO
FI201305815 A	Scaffold	FAST BEAM
GB201012607 D0	Access systems	BERSCHE ROLT
DK8901407 D0	Shuttering device comprising panels, and connection pieces for assembling these panels	PAFILI INT TUBULAR
IL--38426 A	Set of elements for a system and/or formwork framework.	MAIER JOSEF
CA2986458 A1	Scaffold unit	SALITA IP
CA2910141 A1	Deck for a shoring tower	HÄ**NNEBECK
CA2313513 A1	Scaffolding	PHILIPPE MICHEL J.
GB201503002 D0	Assembly of a platform assembly and support structure and method of assembly	SPANSET INTER
GB201507846 D0	Platform system	ISCHEBECK TITAN
CA2999778 A1	A formwork panel assembly	FORM 700
BR102014021965 A1	Platform for accessing a hydraulic machine and methods for installing and disassembling such a platform in a suction tube	ALSTOM TECHNOLOGY, ...
EP1653025 A2	Modular formwork for the construction of walls and pillars	GIANAZZA ANGELO
FR2497862 A1	SHUTTERINGS FOR THE POURING OF CONCRETE WALLS AND METHOD OF ASSEMBLY OF	ANTHES EQUIP
WO2018101493 A1	Furnace scaffolding system for maintaining boiler and construction method therefor	KLES
US20160237702 A1	Adjustable scaffolding	TARSCO CONSTRUCTION
CA2940049 A1	A container for framework elements	FORM 700
US20150041252 A1	Access structure integration assembly and integrated access systems and methods of using the same	SAFWAY SERVICES
WO9855715 A1	Panel construction use as a forming device for settable fluids in construction	DE LE FEVRE; PATRICK Y.
US5005801 A	Jack hanging apparatus	GIARROCCO III MARTIN A, ...
CA2885328 A1	Underground vault roof support	LAMINATED WOOD SYSTEMS SEWARD
KR101913668 B1	A prefabricated scaffolding device which can work aheat power plant	HORY KOREA
FR3046622 A1	Scaffold comprising a lowerable railing	TUBESCA COMABI
US20160244985 A1	Wall forming system and method thereof	PALADIN INDUSTRY

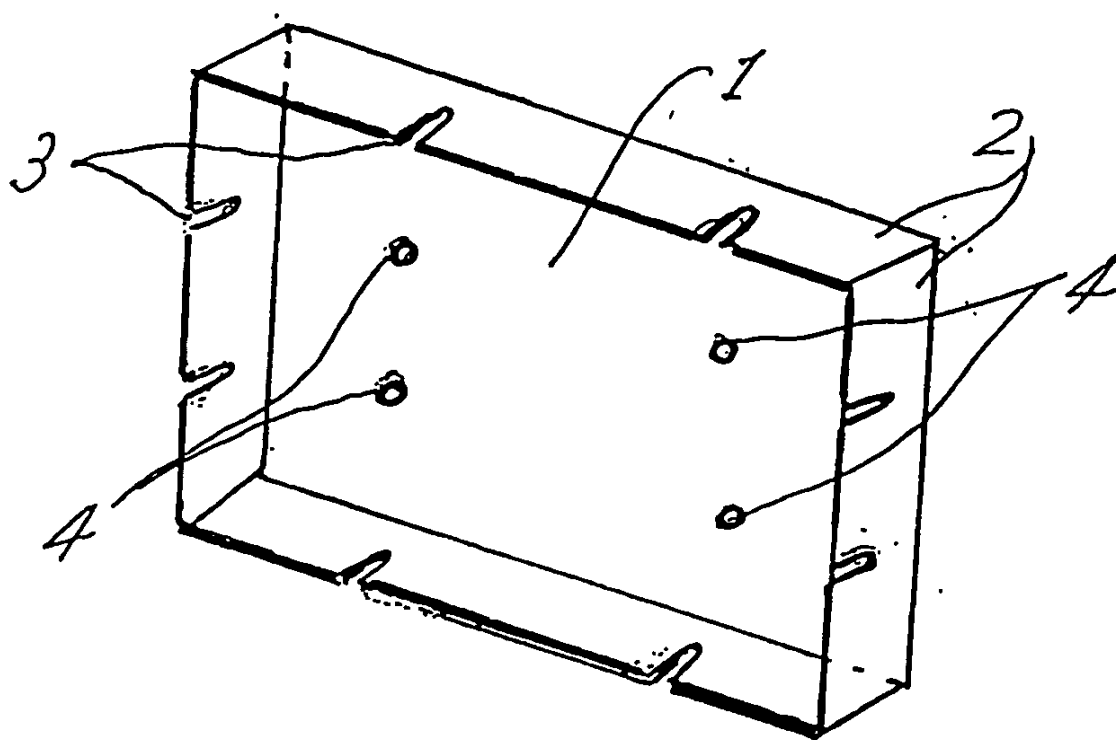
Publication numbers	Title	Current assignees
WO201020011 A2	Modular frame	LC INDUSTRY
US6848221 B1	Overhang falsework	RUHLIN
WO2018143828 A1	Scaffold system	MASONRY SCAFFOLDING SOLUTIONS
US20180223548 A1	Catwalk floorbeam connection system	SUKUP MANUFACTURING
FR3046804 A3	MODULAR AND INTEGRAL FORMWORK SYSTEM OF HIGH ACCURACY FOR THE CONSTRUCTION OF MONOLITHIC STRUCTURES IN REINFORCED CONCRETE	FLORES GARCIA CLAUDIA
CA2983294 A1	A lockable scaffold toeboard system	DELTAK MANUFACTURING
WO200741608 A2	Collapsible inside corner form	WILIAN HOLDING
EP2706168 A2	Wall bracket and working platform	POHJOLAN DESIGN TALO
KR20170132519 A	Apparatus for assembling form using euro form and method for constructing concrete strip foundation of house using the same	HAN, BYONG TAE
GB201608684 D0	Scaffold	MARK TRAVERS
US20130074432 A1	Insulated concrete form and method of using same	CIUPERCA ROMEO ILARIAN, ...
WO201290716 A1	Recyclable formwork	JUST WILL
US20110057090 A1	High strength adjustable vertical concrete form	TF FORMING SYSTEMS
WO200460623 A2	Re-usable non-metallic construction forming system	ARCHITECTURAL CONCRETE CREATIONS
WO200403312 A1	Modular platform, walkway or ramp	TREVOR SUGGATE
JP2003326390 A	Working device for inner wall surface of tower tank, and inner wall surface working method using the same	DAIO SEISHI
DE10128955 A1	Dismountable scaffolding	PERI
WO9919127 A2	Wall forming system and method of forming a wall of hardenable material	LIUSKA; BRUCE
DE9419762 U1	On-site concrete staircase shell	HINTZ GUENTHER
WO2016166541 A1	Scaffold clamps	KLAWZ
SE9002154 D0	Casting mould device	HAAKAN LINDGREN, ...
KR20190075583 A	Multifunctional knockdown work structures	YOUN, BOUNG SEOB
KR101761536 B1	Prefabricated Working Tower	KIM, SUNG WON
FR3046621 A1	Scaffold comprising two sets of deployable ladder units and supporting a handrail	TUBESCA COMABI
CN106401169 A	Aluminum alloy template assembling system for building	HUBEI SENFENG ALUMINUM MOULD TECHNOLOGY
CA2917566 A1	Shuttering panel for concrete formworks	POLYTECH

Family 1/100 - FAMPAT - ©Questel

Title

(WO2004113645)

Formwork systems

Images**Publication data including kind & date**

WO2004/113645	A1	2004-12-29	WO2004113645
AU2003240296	A1	2005-01-04	AU2003240296
US20060179787	A1	2006-08-17	US20060179787

**Abstract**

(WO2004113645)

The invention relates to a method of construction of concrete beams or walls using a formwork module comprising an elongate rectilinear front face (1), a peripheral border wall (2) extending from the front face, two spaced pairs of bolt sockets (4) extending through the rectilinear front face (1), and a plurality of opposed slots (3) in the peripheral border wall (2).

Inventors

BILOWOL PETER

Family 2/100 - FAMPAT - ©Questel

Title

(US3288427)

Assemblable formwork for reinforced concrete structures

Images

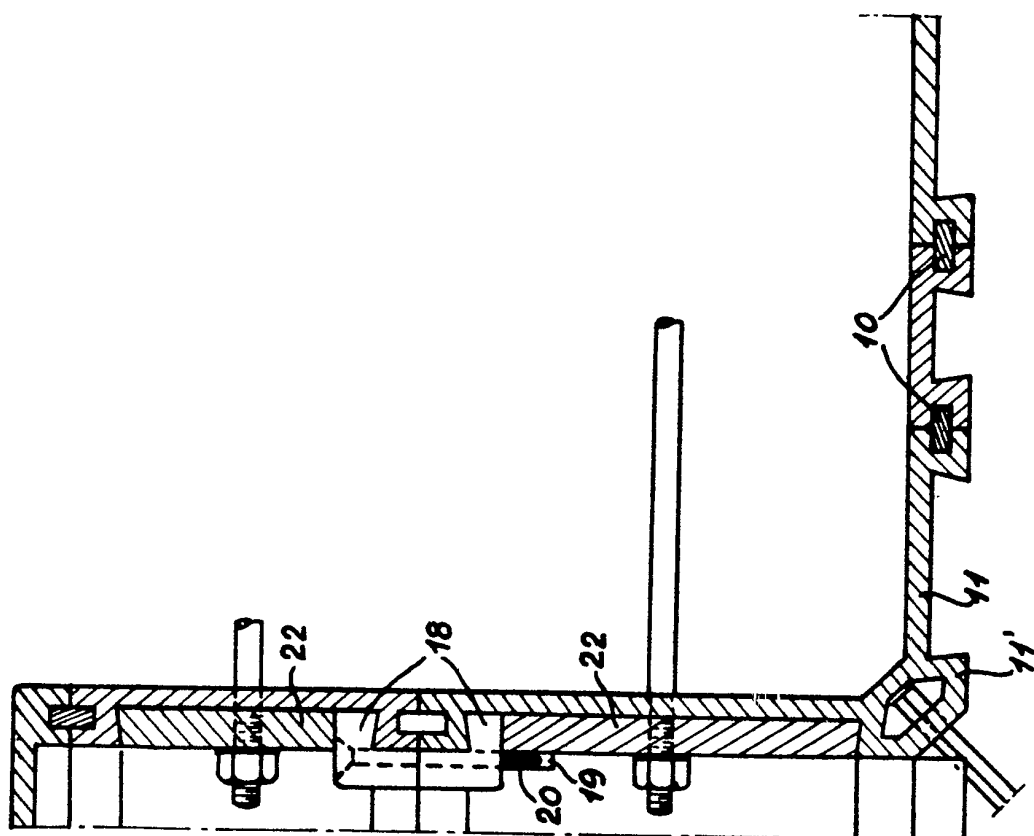


Fig. 1

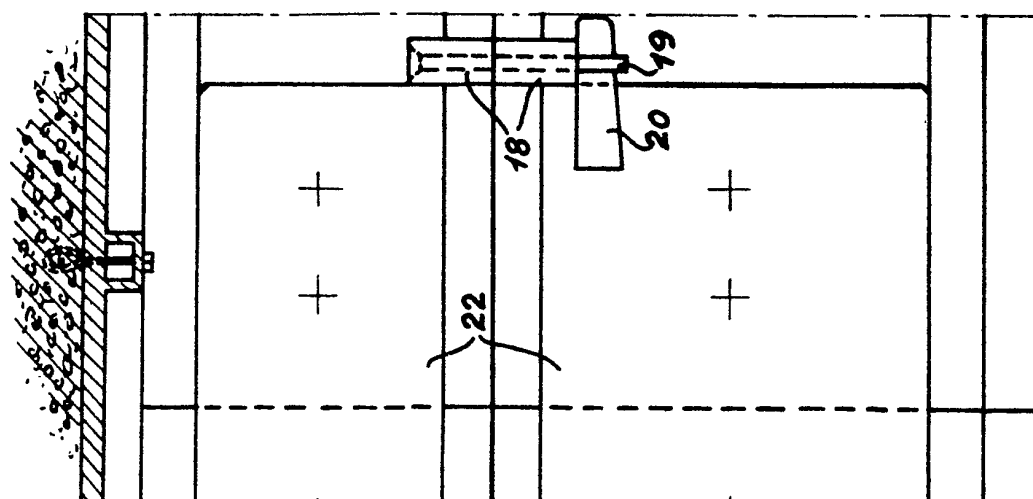
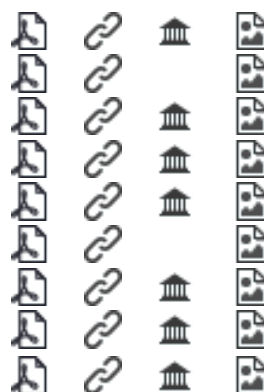


Fig. 2

Publication data including kind & date

BE650382	A	1964-11-03	BE-650382
NL6407878	A	1965-01-11	NL6407878
FR1423679	A	1966-01-07	FR1423679
US3288427	A	1966-11-29	US3288427
CH426195	A	1966-12-15	CH-426195
AT257133	B	1967-09-25	AT-257133
DE1434424	A1	1968-11-14	DE1434424
DE1434422	A1	1969-04-17	DE1434422
DE1434424	B2	1973-06-14	DE1434424



[DE1434424](#)

C3 1974-01-03 DE1434424

**Inventors**

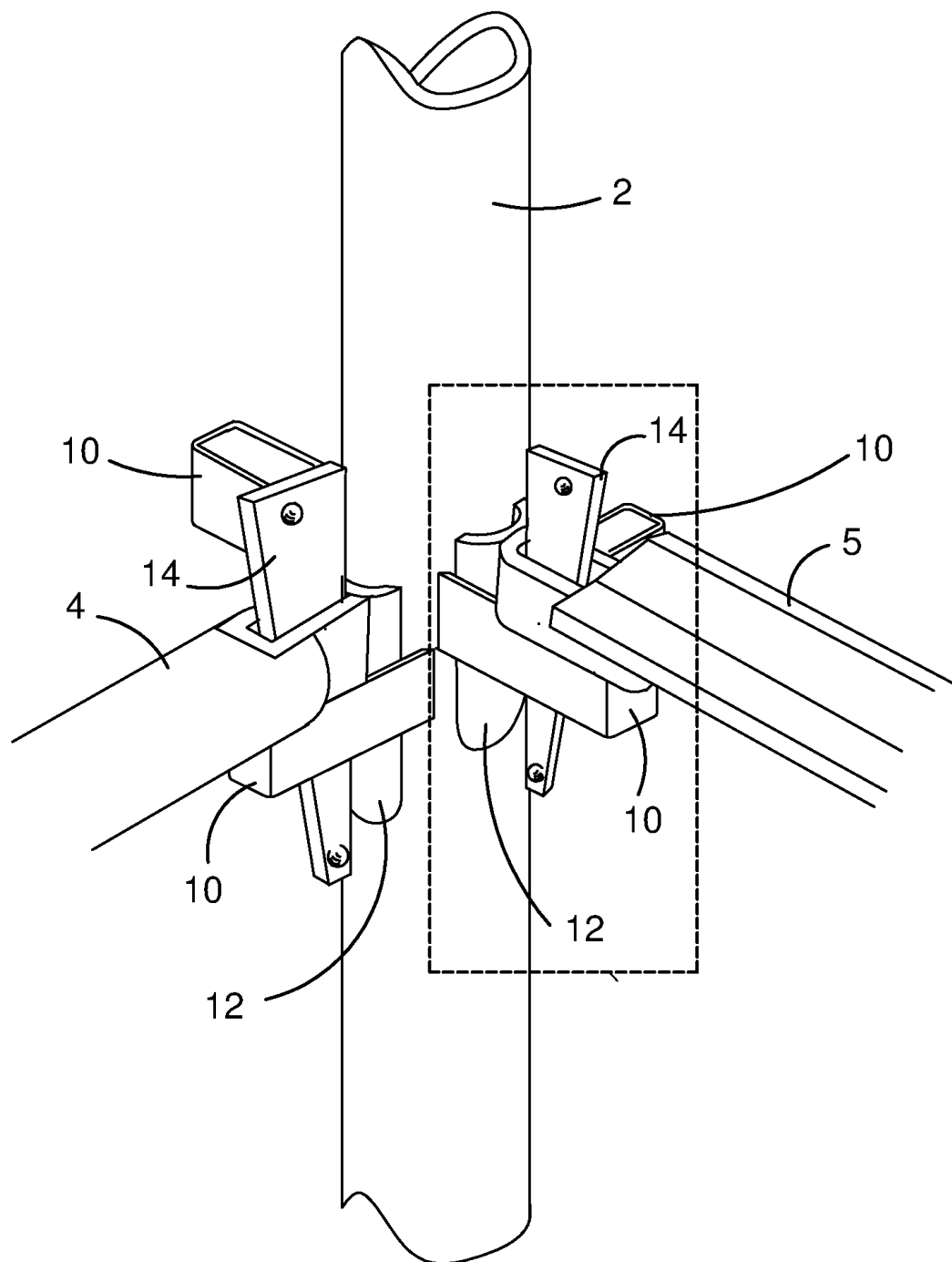
PAUL PLUCKEBAUM

Family 3/100 - FAMPAT - ©Questel

Title

(EP2954132)

Cantilevered supplementary support platform for modular scaffold

Images**Publication data including kind & date**[AU2013101084](#)

A4 2013-09-05

AU2013101084

[CA2900566](#)

A1 2014-08-14

CA2900566

[WO2014/121346](#)

A1 2014-08-14

WO2014121346



AU2013101084	B4	2015-02-05	AU2013101084				
AU2014214551	A1	2015-10-01	AU2014214551				
EP2954132	A1	2015-12-16	EP2954132				
US20160002936	A1	2016-01-07	US20160002936				
EP2954132	A4	2017-01-25	EP2954132				
HK1218943	A1	2017-03-17	HK1218943				
ZA201506732	B	2017-03-29	ZA201506732				
AU2014214551	B2	2017-11-30	AU2014214551				
AU2018201041	A1	2018-03-01	AU2018201041				

Abstract

(EP2954132)

A supplementary support assembly for a modular scaffold system formed from a matrix of interconnecting scaffold bays. The assembly including a pair of spaced apart transoms (88) adapted to be cantilevered outwardly from the scaffold bays and one or more decking boards (90) extending between the pair of transoms, thereby providing a supplementary support platform (85).

Inventors

COX KENNETH ALAN

Latest standardized assignees - inventors removed

4 KEN

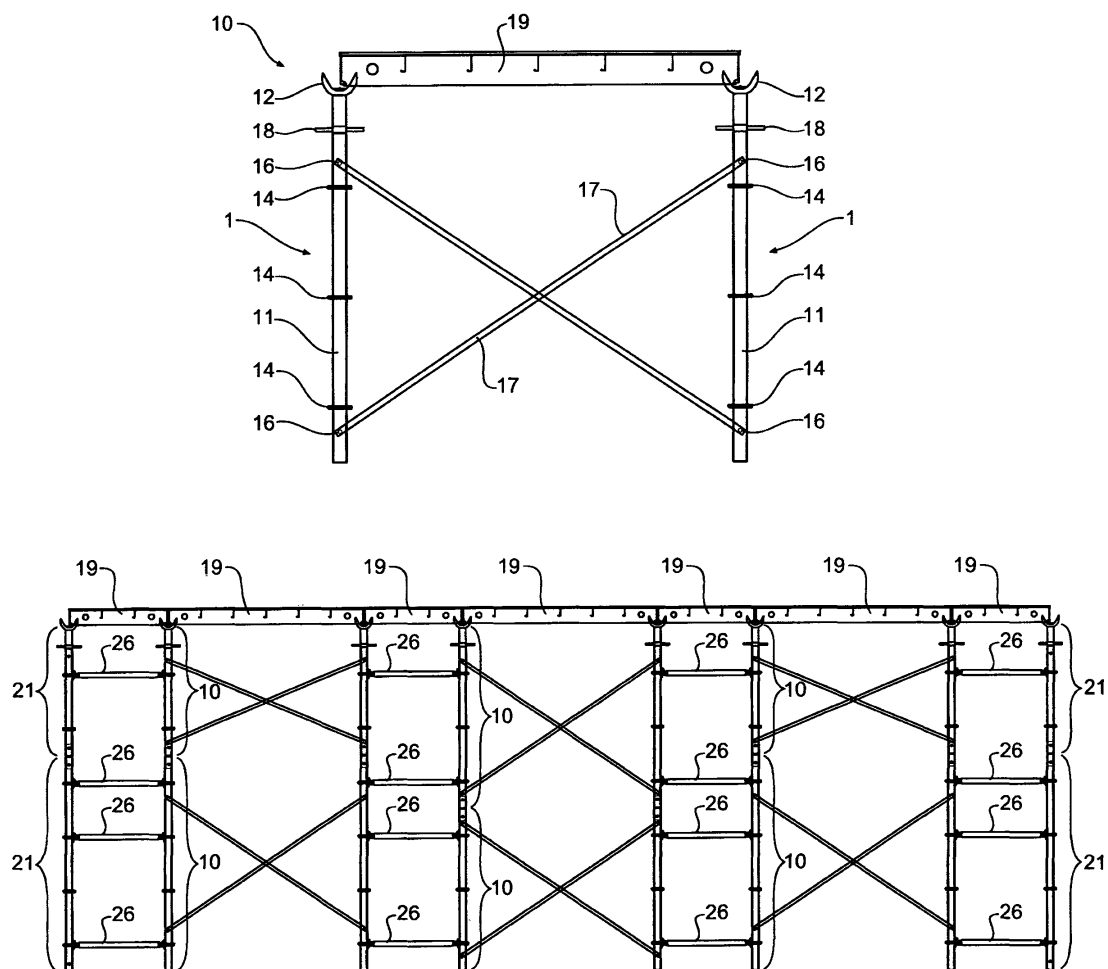
Family 4/100 - FAMPAT - ©Questel

Title

(EP2880228)

Formwork support element

Images



Publication data including kind & date

CA2880626	A1	2014-02-06	CA2880626
WO2014/019029	A1	2014-02-06	WO201419029
SG11201500757W	A	2015-02-27	SG11201500757W
AU2013299336	A1	2015-03-12	AU2013299336
KR20150034809	A	2015-04-03	KR20150034809
CN104662239	A	2015-05-27	CN104662239
EP2880228	A1	2015-06-10	EP2880228
US20150197949	A1	2015-07-16	US20150197949
JP2015523483	A	2015-08-13	JP2015523483
VN43614	A	2015-09-25	VN--43614
EP2880228	A4	2015-11-25	EP2880228
HK1210510	A1	2016-04-22	HK1210510
IN1590/DELNP/2015	A	2016-08-31	IN2015DN01590
RU2015106566	A	2016-09-20	RU2015106566
US9546489	B2	2017-01-17	US9546489
NZ705364	A	2017-03-31	NZ-705364
AU2013299336	B2	2017-11-23	AU2013299336
RU2637693	C2	2017-12-06	RU2637693



Abstract

(EP2880228)

This invention relates to a formwork support member, and a scaffold structure formed from at least a pair of adjacent formwork support members. The formwork support member comprises at least two spaced vertical members, at least one connecting member bridging said vertical members to form thereby a rigid formwork support member, each vertical member including a plurality of attachment means at spaced intervals there- along for releasable attachment thereto of at least one brace member extending between adjacent formwork support members to form the scaffold structure.

Inventors

ROSATI EMILIO

Latest standardized assignees - inventors removed

FORM 700

Family 5/100 - FAMPAT - ©Questel

Title

(EP-513846)

Scaffolding

Images

BR8906977	A	1990-12-18	BR8906977				
JPH02504659	A	1990-12-27	JP02504659				
EP0378624	A4	1991-07-24	EP-378624				
FI86101	B	1992-03-31	FI--86101				
US5127492	A	1992-07-07	US5127492				
FI86101	C	1992-07-10	FI--86101				
NO923046	D0	1992-07-31	NO9203046				
AU627192	B2	1992-08-20	AU-627192				
US5156235	A	1992-10-20	US5156235				
NZ229543	A	1992-10-28	NZ-229543				
CA1310041	C	1992-11-10	CA1310041				
EP0513846	A2	1992-11-19	EP-513846				
EP0513846	A3	1993-06-23	EP-513846				
BRPI8906977	A1	1995-01-17	BR8906977				
JP2609170	B2	1997-05-14	JP2609170				

Abstract

(EP-513846)

A step-up bracket for scaffolding, including; a generally vertical base to be secured to the scaffolding; a generally horizontal seat (63) extending outwardly from the base and to aid in supporting a plank (60) to extend transverse of the bracket; a brace (72) extending diagonally between the seat and base; extension means to be secured to said seat adjacent the extremity thereof, said extension means including a first portion (70) to be located below said seat and secured thereto, and a seat (68) portion aligned with and providing an extension of said seat.

Inventors

PRESTON, JOHN CLEMENT

Latest standardized assignees - inventors removed

GKN AUSTRALIA

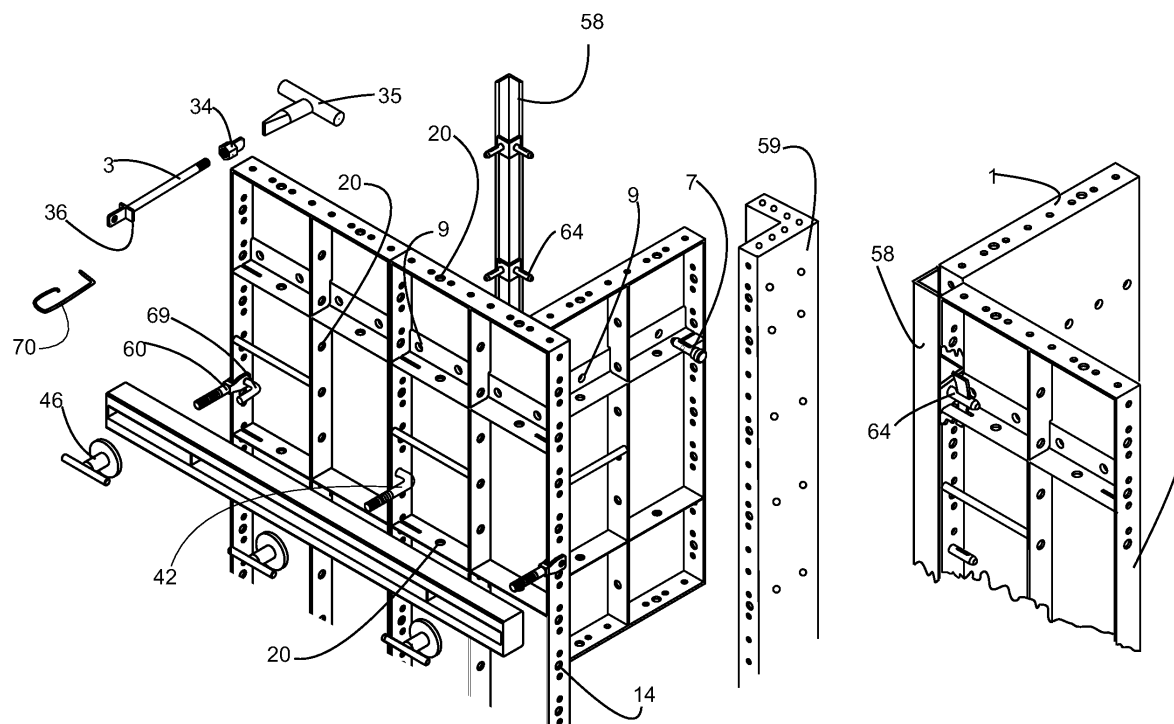
Family 6/100 - FAMPAT - ©Questel

Title

(WO201170530)

Adjustable metal formwork system for concrete structures

Images



Publication data including kind & date

WO2011/070530	A1	2011-06-16	WO201170530
CO6290099	A1	2011-06-20	CO6290099A1
IN2791/MUMNP/2011	A	2012-05-18	IN2011MN02791
CN102510927	A	2012-06-20	CN102510927
MX2012006451	A	2012-06-28	MX2012006451
BR112012013707	A1	2012-11-06	BR112012013707
US20120286134	A1	2012-11-15	US20120286134
CN102510927	B	2014-07-23	CN102510927B
US9068363	B2	2015-06-30	US9068363
MX341858	B	2016-09-05	MX-341858



Abstract

(WO201170530)

This invention relates to a set of elements or parts that make up an adjustable metal formwork system for concrete structures in civil engineering works that is intended to enable the formwork system to be assembled, joined and adjusted as efficiently as possible. Using the adjustable formwork system is intended to minimise the number of metal panels and accessories during execution of a project. It is also noteworthy that the shape, size and function of each element are especially designed to obtain a rigid structure, making it possible to construct the mould into which the concrete is poured while retaining its characteristics and to perform said functions more quickly, efficiently and safely.

Inventors

ROJAS PIMIENTO EFRAIN

Family 7/100 - FAMPAT - ©Questel

Title

(EP1854940)

Scaffolding

Images

A scaffolding structure (10) having a two dimensional inner grid (12) interconnected with a two dimensional outer grid (14). Additional bamboo members (25, 27) are secured on the outer grid (14) such that the interstices defined by the load bearing members (24, 26) and the bamboo members of the outer grid (14) are smaller than the interstices defined by the load bearing members (20, 22) of the inner grid (12). An anchoring device (50b) to anchor the scaffolding structure (10) to the building (15) includes an arm (52b) and an anchoring member (50c). The anchoring member (50c) has a first leg in the form of a bar or rod which is alignable such that the first leg extends parallel to the longitudinal axis of the arm with the remote end of the first leg extending beyond the arm (52b). The scaffolding structure further comprises platforms (102b) which have an access opening (127) for access to a lower region of the scaffold (10), and a ladder (120) disposed for access by a worker through the access opening (127).

Inventors

SO YU SHING

Latest standardized assignees - inventors removed

WUI LOONG SCAFFOLDING WORKS

Family 8/100 - FAMPAT - ©Questel

Title

(EP-711889)

Form panel

Images

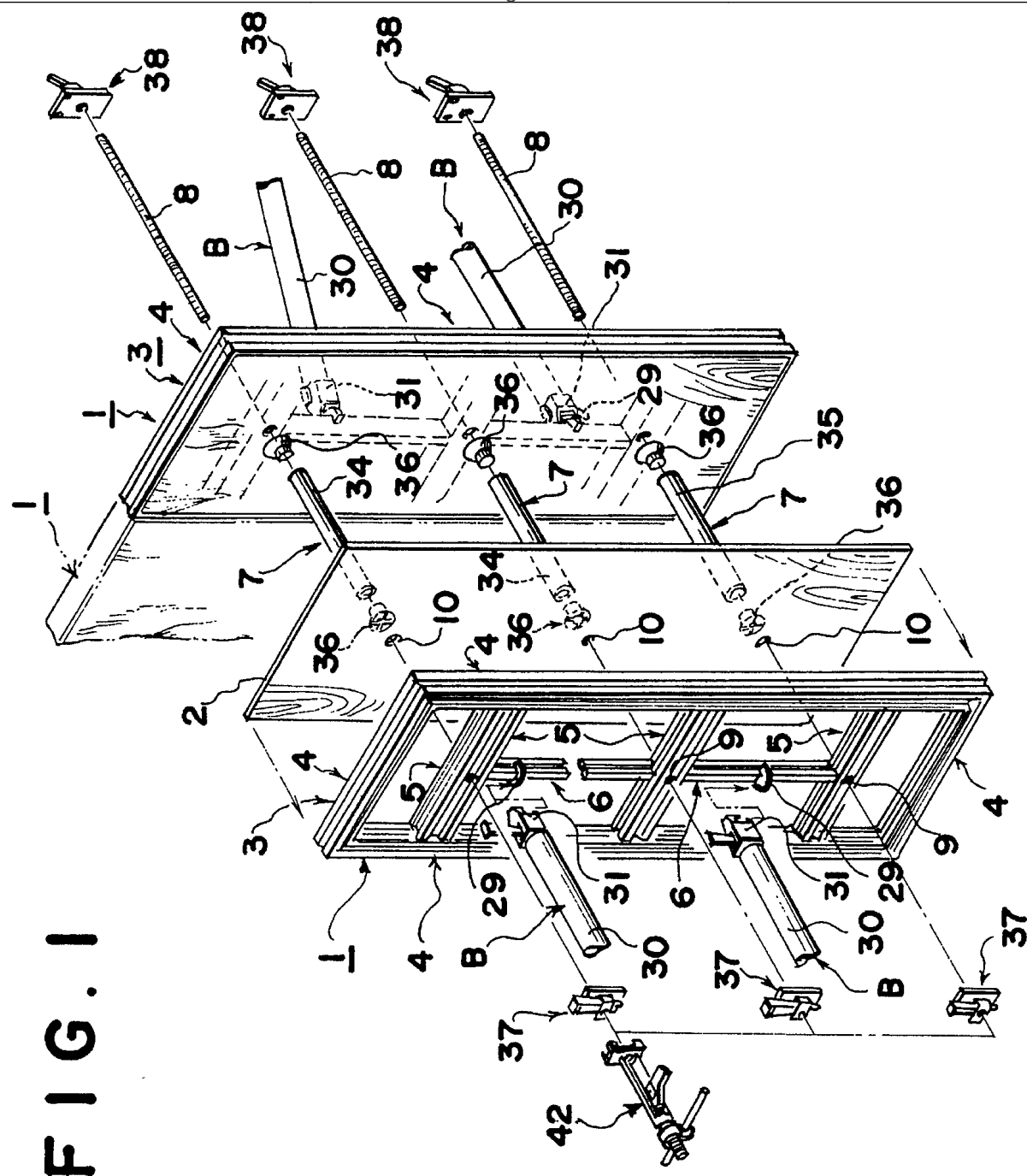


FIG. 1

Publication data including kind & date

NO933828	D0	1993-10-25	NO9303828
FI934735	A0	1993-10-26	FI9304735
BRPI9304133	A1	1993-11-16	BR9304133
HU9303056	D0	1994-03-28	HU9303056
ZA9306995	B	1994-04-18	ZA9306995
FI934735	A	1994-04-29	FI9304735
NO933828	L	1994-04-29	NO-933828
CA2106030	A1	1994-04-29	CA2106030
BR9304133	A	1994-05-03	BR9304133
EP0595470	A2	1994-05-04	EP-595470
JPH06136940	A	1994-05-17	JP06136940
CZ227993	A3	1994-05-18	CZ9302279
AU4865793	A	1994-05-19	AU9348657
KR940009472	A	1994-05-20	KR19940009472
EP0595470	A3	1994-06-29	EP-595470



horizontal and diagonal bars, by way of safety coupling devices (27,28,29,30), not spontaneously dismantlable, which portal (10,12) and frameworks (2',2'') directly support passage platforms (4,4',4'') and likewise support at one or other of the outer or inner sides of the frameworks (2',2''), vertically adjustable brackets (5,6) carrying other service platforms (7,8), which platforms (7,8) carry fixed base plates on at least one of their edges, the vertical members (47,48) of frameworks bounding facade openings being associated by means of girders (72) mounted directly thereon.

Inventors

UBINANA FELIX JOSÉ LUIS

Latest standardized assignees - inventors removed

SIST S TECNICOS DE ENCOFRADOS

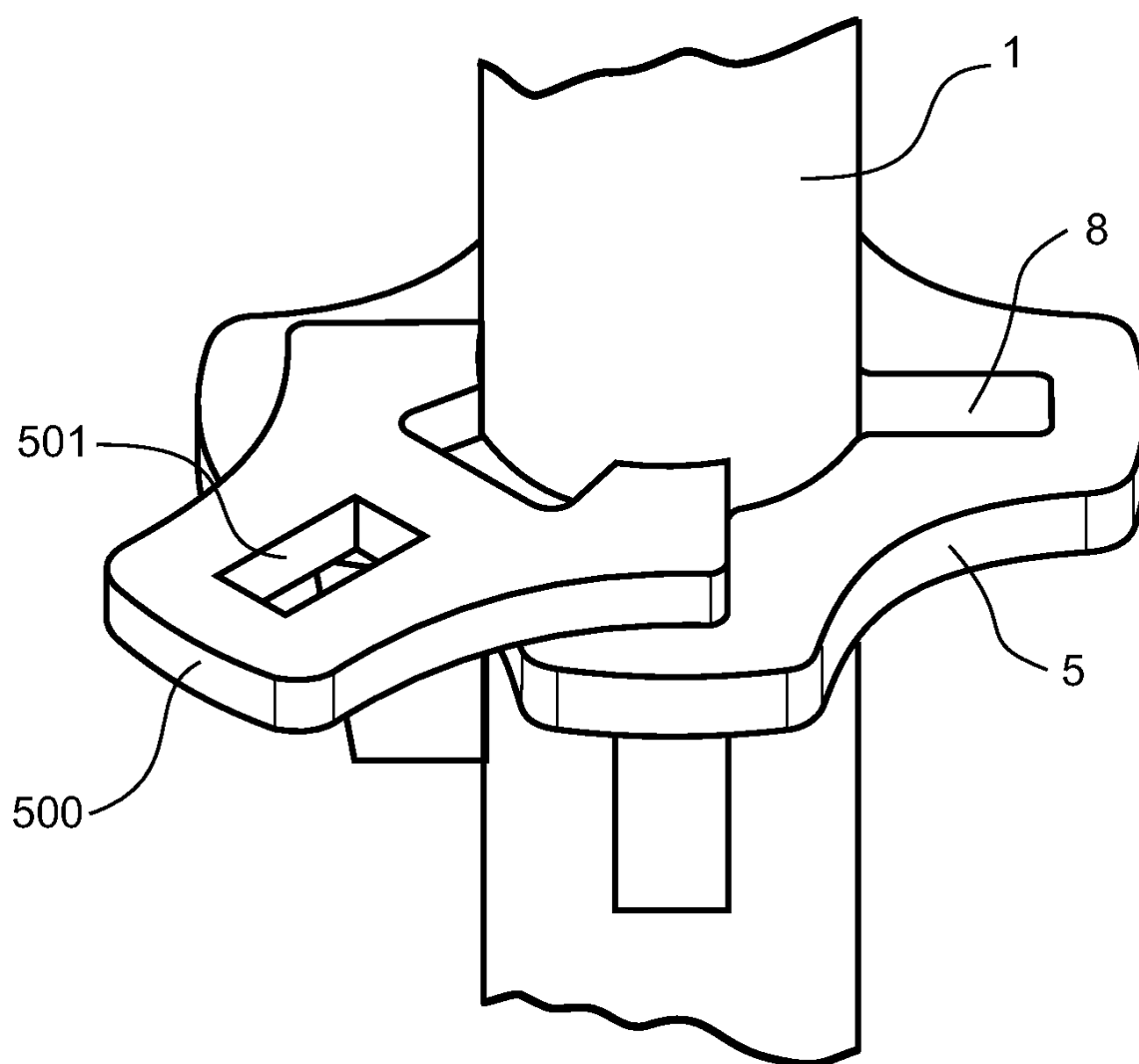
Family 10/100 - FAMPAT - ©Questel

Title

(EP2669449)

Improvements in scaffolding

Images



Publication data including kind & date

HK1172196	A2	2013-04-12	HK1172196
EP2669449	A2	2013-12-04	EP2669449
US20130319797	A1	2013-12-05	US20130319797
EP2669449	A3	2014-11-12	EP2669449
EP2669449	B1	2017-06-28	EP2669449
US10125505	B2	2018-11-13	US10125505



US20190048600

A1 2019-02-14

US20190048600

Abstract

(EP2669449)

The invention relates to a bridge that is for use with a scaffolding standard. The standard may comprise of an elongate pipe to which there is secured at least one rosette of a kind that presents a plurality of apertures about the pipe at which a connection to said standard can be established by other scaffolding components. The bridge is capable of connection to said rosette at at least two said apertures, said bridge allowing a scaffolding component to be secured thereto to be positioned and supported by said bridge at a location not catered for by any aperture of said rosette.

Inventors

SO YU SHING

Latest standardized assignees - inventors removed

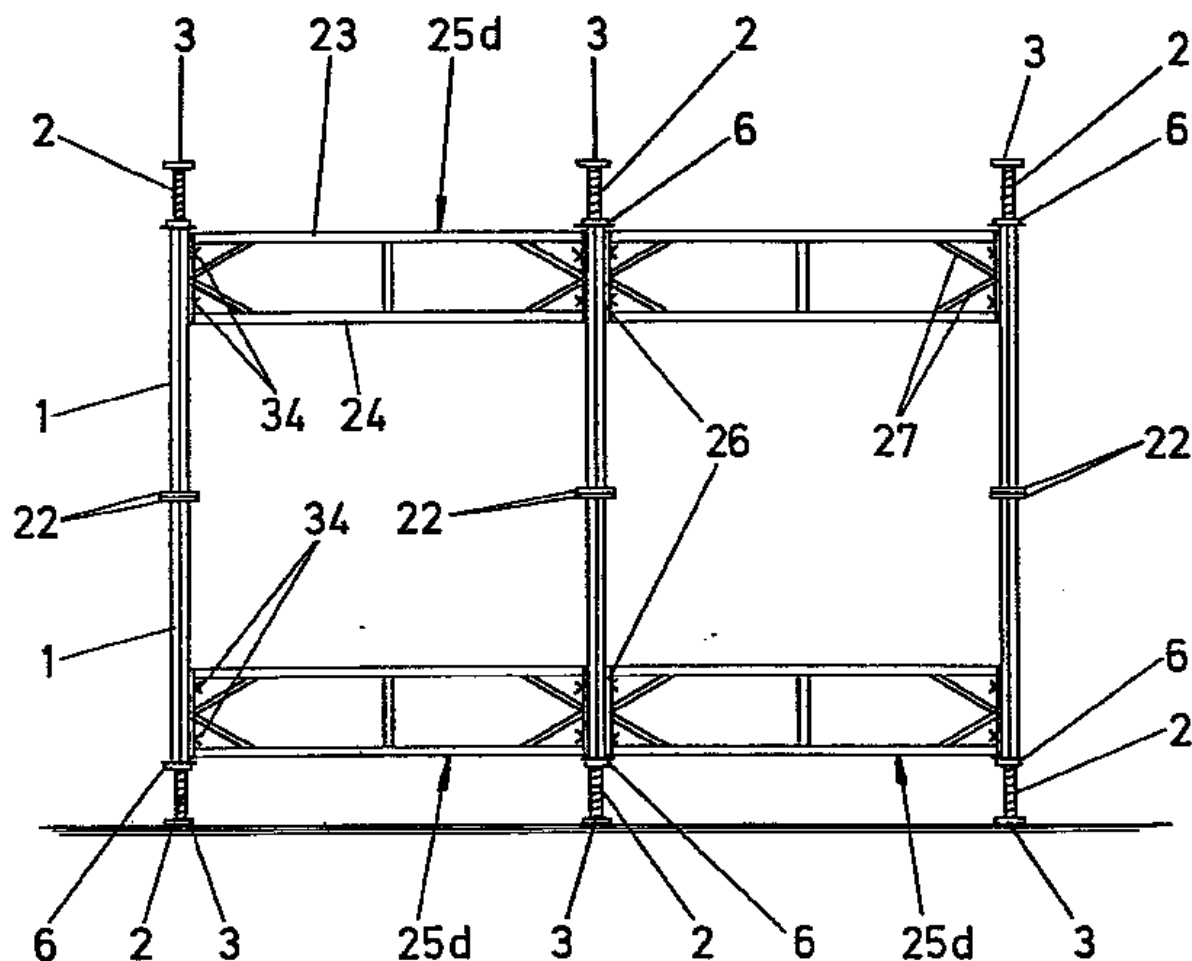
WLS INTELLECTUAL PROPERTY

Family 11/100 - FAMPAT - ©Questel

Title

(DE3641349)

Structural support

Images**Publication data including kind & date**

DE3641349	A1	1988-06-16	DE3641349
DE3641349	C2	1996-11-21	DE3641349
DE3641349	C5	2004-02-12	DE3641349

**Abstract**

(DE3641349)

The invention relates to a telescopic structural support, in the case of which the inner tube bears, on its casing surface

provided with a thread, an adjusting nut which is supported at one end of the outer tube. In order to achieve a form of construction which is, in particular, advantageous for use, the invention proposes that the casing surface of the outer tube (1) be provided with undercut grooves (11) which run in the axial direction and are intended for receiving the bracing-type fastening screws (30) of supplementary struts (23, 24).

Inventors

ISCHEBECK ERNST-FRIEDRICH

ISENBERG JOACHIM

Latest standardized assignees - inventors removed

ISCHEBECK FRIEDRICH

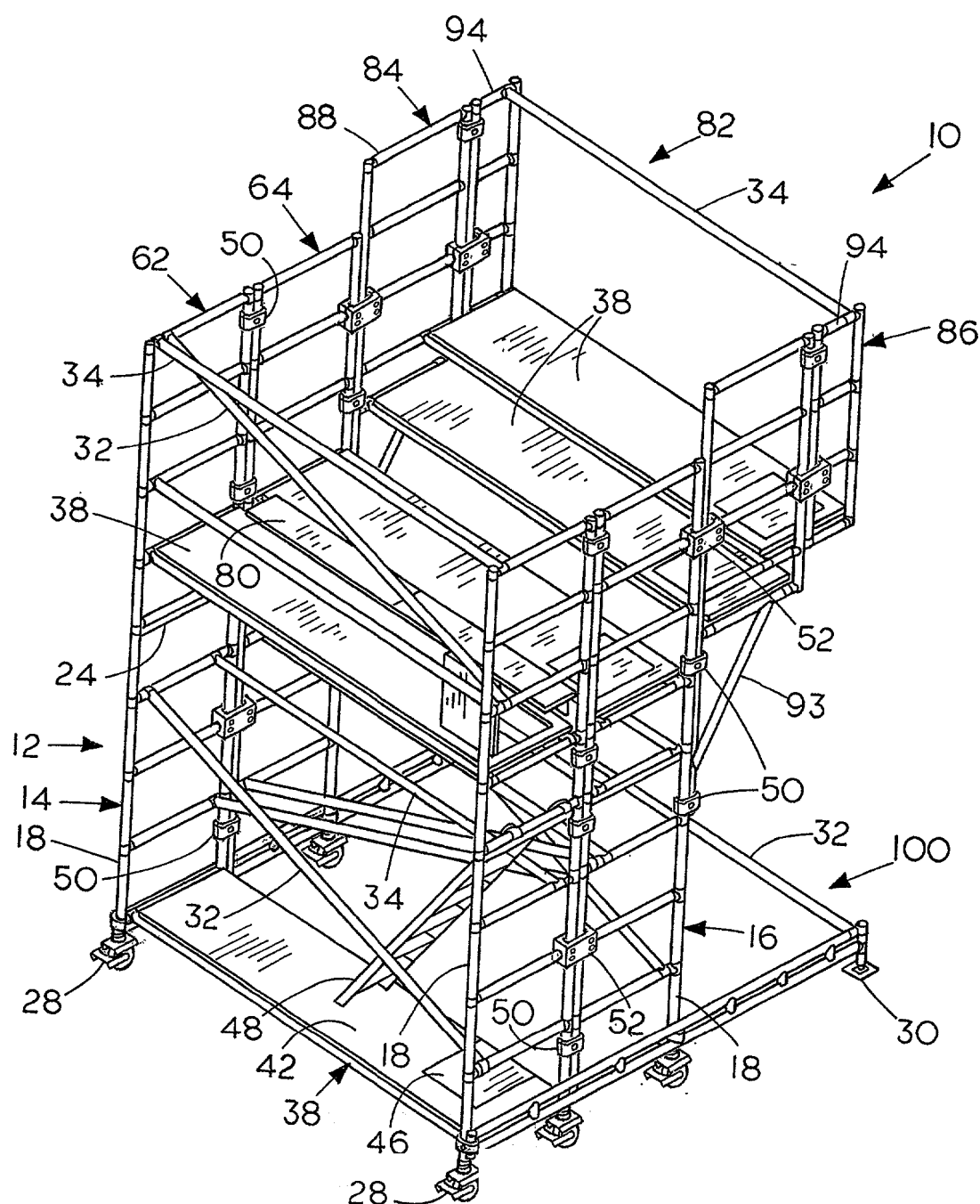
Family 12/100 - FAMPAT - ©Questel

Title

(US20030178253)

Portable aircraft maintenance platform

Images



Publication data including kind & date[US20030178253](#)

A1 2003-09-25

US20030178253

**Abstract**

(US20030178253)

A maintenance platform (10) comprises a main frame (12) with base frames (12,14) releasably interconnected by split clamps (50) and load transfer couplers (52). Upper extension frames (62,64) are mounted on the base frames (12,14). A balcony (82) and stabilizers (100) are also provided. The platform (10) is of modular construction and can be assembled and disassembled manually without tools for use on either improved or unimproved surfaces.

Inventors

TATGE ROBERT J

MORRIS JOHN W

RIKER MARK W

WASHICHEK RICHARD J

Latest standardized assignees - inventors removed

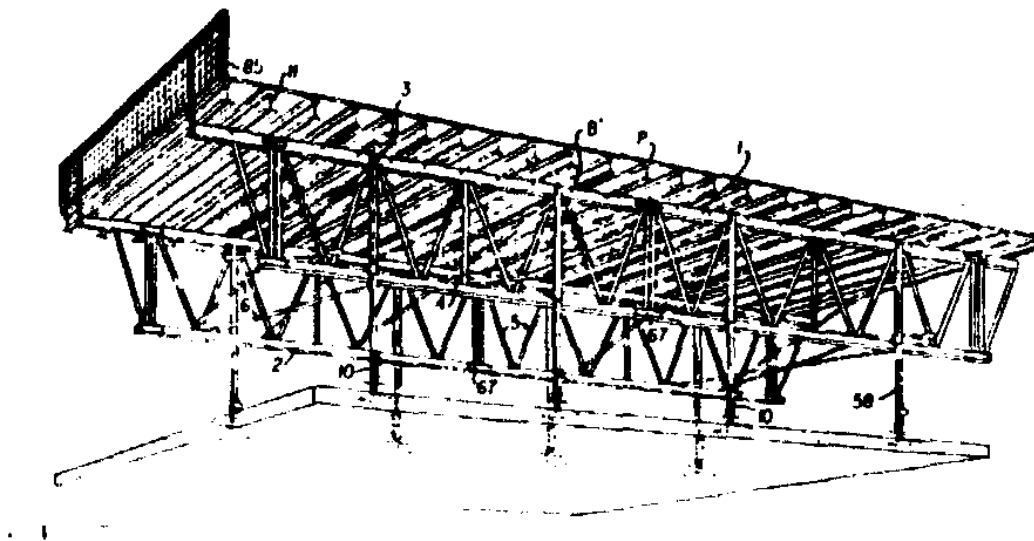
A C A INTERNATIONAL

Family 13/100 - FAMPAT - ©Questel

Title

(FR2495674)

Formwork used during concrete floor pouring - includes screw jacks disposed below vertical load bearing members of two spaced and braced modular truss sections

Images**Publication data including kind & date**[FR2495674](#)

A1 1982-06-11

FR2495674

[NL8105525](#)

A 1982-07-01

NL8105525

**Abstract**

(FR2495674)

The formwork includes a pair of spaced and braced rectangular interconnectable modular truss-sections connected together to form a structural unit. Each section includes a pair of upper and lower longitudinally extending chords (1,2), and at least a pair of longitudinally spaced vertically extending connectors (4). Each section also includes at least one vertically extending load-bearing member (3) intermediate the pair of vertical connectors (4) and secured to the side faces of the chords (1,2). Diagonally extending members (15) are connected to the pair of chords and is located between a vertical

connector (4) and the load-bearing member (3), the diagonal member also serving to space the chords (1,2) apart. A number of screw-jacks (10) support the sections in their operative position and are capable of pivotal movement when required. Beams (11) are detachably secured to the upper portion of the sections and extend at least from side to side.

Inventors

MANDERLA HENRY J

Latest standardized assignees - inventors removed

ANTHES EQUIP

Family 14/100 - FAMPAT - ©Questel

Title

(CA1120283)

Truss shoring system and apparatus therefor

Publication data including kind & date

CA1120283	A	1982-03-23	CA1120283
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Abstract

(CA1120283)

The invention relates to a truss shoring method and an apparatus therefor utilized in the pouring of concrete floors and includes a plurality of unitary members adapted to provide vertically adjustable and horizontally movable primary modular units serving to support poured concrete.

Inventors

MANDERLA HENRY J

Latest standardized assignees - inventors removed

ANTHES EQUIP

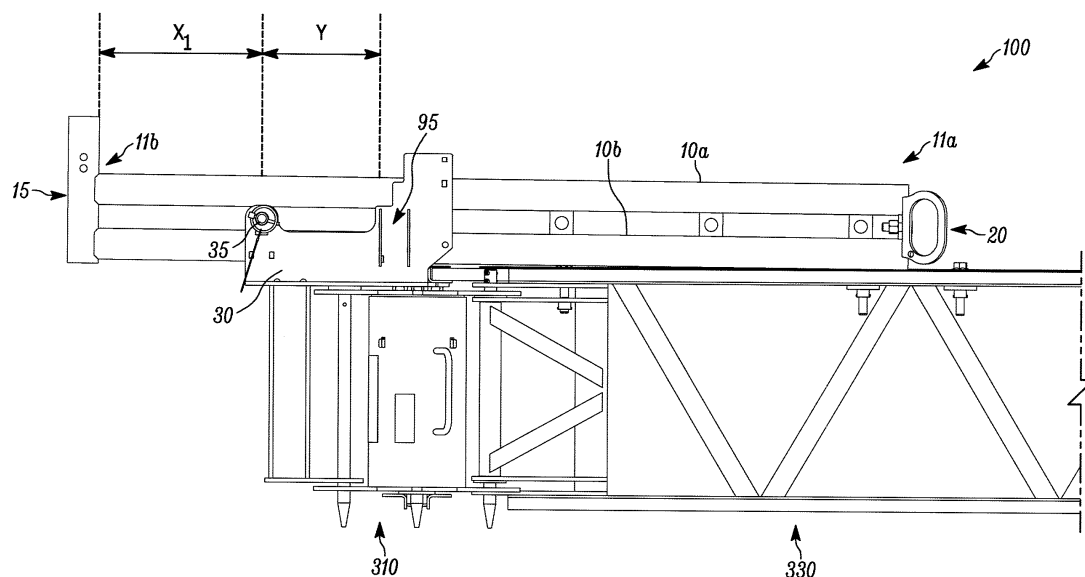
Family 15/100 - FAMPAT - ©Questel

Title

(WO2017155505)

Adjustable platform extension bracket for work platform systems and related methods

Images



Publication data including kind & date

US20170254099 A1 2017-09-07 US20170254099

CA3019900 A1 2017-09-14 CA3019900

WO2017/155505 A1 2017-09-14 WO2017155505



Abstract

(WO2017155505)

An adjustable platform extension bracket for work platform systems comprises a post member having two posts joined by a plurality of positional structures. A first connection portion forms a first channel such that the first connection portion is symmetrical along an axis parallel with and passing through the channel. The post member is slidably engaged in the first channel such that at least one of the positional structures is positionable in the channel. The bracket does not require any diagonal support. The dimensions of work platforms, particularly suspended work platform systems, may be extended using the adjustable platform extension bracket.

Inventors

GRUMBERG MATHIEU

SCRAFFORD ROY

MEADE FREDERICK W

Latest standardized assignees - inventors removed

BRANDSAFWAY SERVICES

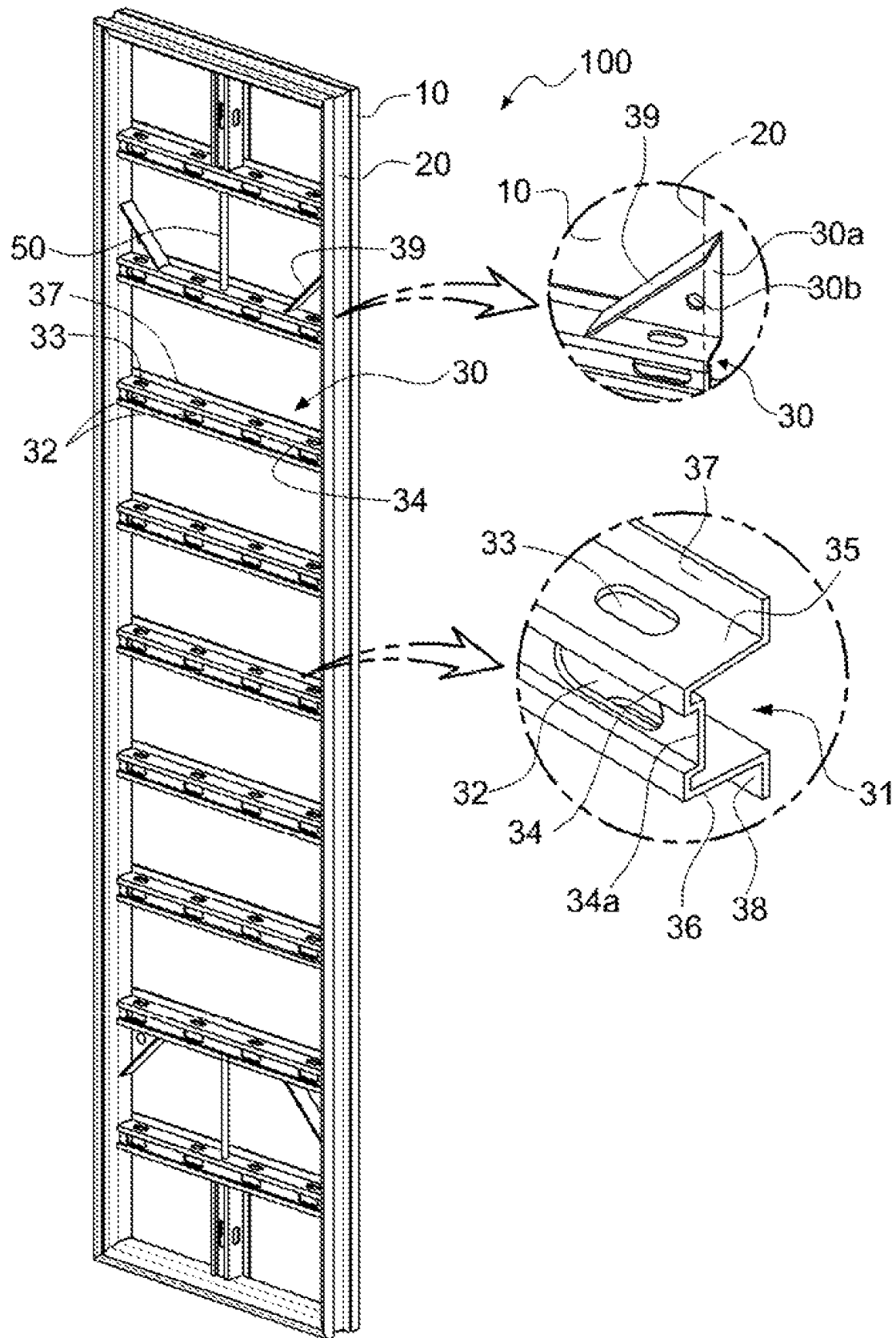
Family 16/100 - FAMPAT - ©Questel

Title

(US9861190)

Wood gang form and method for constructing concrete building using same

Images

**Publication data including kind & date**

KR101641335	B1	2016-07-20	KR101641335
US20160319558	A1	2016-11-03	US20160319558
US9861190	B2	2018-01-09	US9861190

**Abstract**

(US9861190)

Disclosed is a wood gang form including: a placing plate made with wood; a frame joined to the edge of one side of the

placing plate; and a plurality of joist members which are arranged on one side of the placing plate at a predetermined interval from each other, are joined to one of the placing plate and the frame to reinforce the placing plate or the frame.

Inventors

LEE BUM SU

Latest standardized assignees - inventors removed

SEOBO INDUSTRIAL

Family 17/100 - FAMPAT - ©Questel

Title

(EP-972120)

Forming device for settable fluids for use in construction

Images

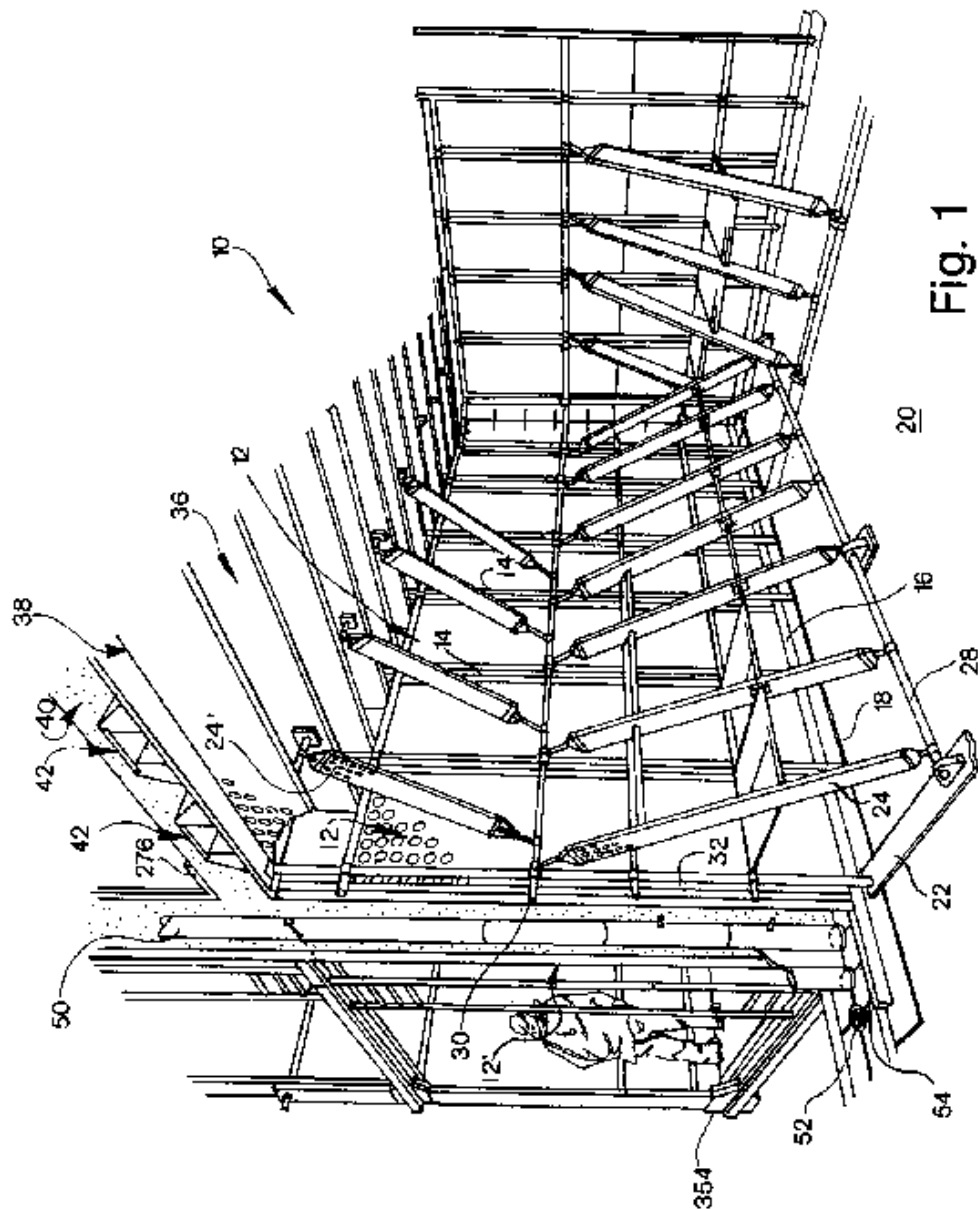


Fig. 1

Publication data including kind & date

WO98/41714	A1	1998-09-24	WO9841714
CA2282301	A1	1998-09-24	CA2282301
AU6540198	A	1998-10-12	AU9865401
US5833872	A	1998-11-10	US5833872
EP0972120	A1	2000-01-19	EP-972120
TR199902288	T2	2000-01-21	TR199902288
CN1250503	A	2000-04-12	CN1250503
BR9808314	A	2000-05-16	BR9808314
BRPI9808314	A1	2000-05-16	BRPI9808314
EP0972120	A4	2000-05-31	EP-972120



KR20000076250	A	2000-12-26	KR20000076250
IL131622	A	2001-01-28	IL-131622
JP2001515552	A	2001-09-18	JP2001515552
AU743891	B2	2002-02-07	AU-743891
RU2196208	C2	2003-01-10	RU2196208
CN1179106	C	2004-12-08	CN1179106C
CA2282301	C	2004-12-21	CA2282301
KR100540949	B1	2006-01-10	KR100540949
EP0972120	B1	2007-01-03	EP-972120
AT350550	T	2007-01-15	ATE350550
DE69836804	D1	2007-02-15	DE69836804



Abstract

(EP-972120)

A universal reusable system (10) is provided for molding concrete or other settable fluids for use in building construction. In the subject system, apertured composite plastic panels (12, 12') and frames, prestressed by the presence of an array of removable and interchangeable oversized plastic plugs (92), are positioned and held in place by a framing system which utilizes a combination of apertured strips (18, 22) used as base guides and both vertical and horizontal channels (14, 16), as well as dowels and plugs (62, 72). The use of apertured panels (12) and framing system provides for a reusable assembly whose dimensions can be readily set on site for each application and whose rectilinearity is maintained either by the dowel-aperture combination or by a combination of oversized plugs (92) in adjacent members to be joined and connectors (60, 70) therebetween.

Inventors

DE LE FEVRE PATRICK Y

Latest standardized assignees - inventors removed

PATRICK & DE LE FEVRE

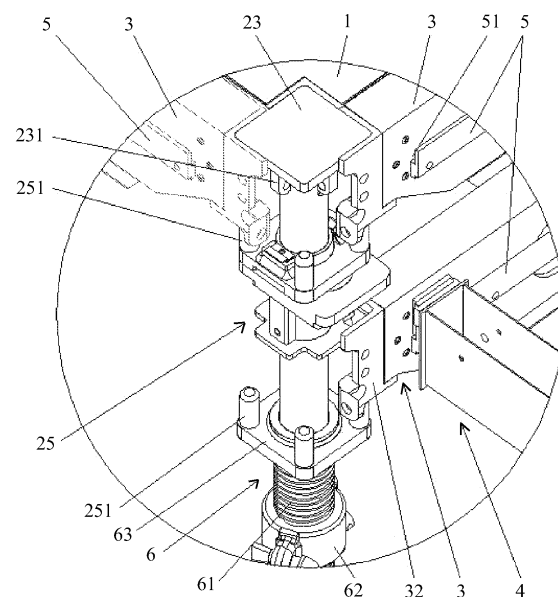
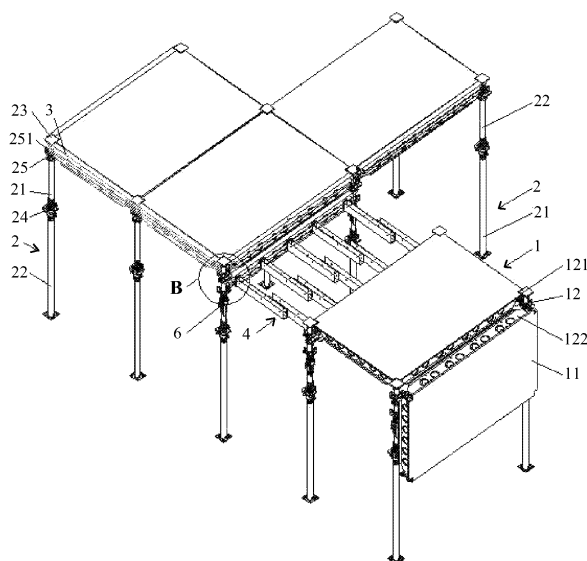
Family 18/100 - FAMPAT - ©Questel

Title

(WO2013139102)

Early-removal formwork system for concreting of constructions comprising beams, plates and columns

Images



Publication data including kind & date

CN102587647	A	2012-07-18	CN102587647
WO2013/139102	A1	2013-09-26	WO2013139102



AU2012373801	A1	2014-02-06	AU2012373801				
BR112014012740	A1	2014-08-19	BR112014012740				
US20140263941	A1	2014-09-18	US20140263941				
DE112012006057	T5	2014-12-24	DE112012006057				
CN102587647	B	2014-12-31	CN102587647B				
US9004443	B2	2015-04-14	US9004443				
AU2012373801	B2	2015-10-01	AU2012373801				
AU2012373801	C1	2016-01-07	AU2012373801				
BR112014012740	A2	2017-06-13	BR112014012740				
BR112014012740	A8	2017-06-13	BR112014012740				
BR112014012740	A8	2017-06-20	BR112014012740				
BR112014012740	A8	2018-12-11	BR112014012740				

Abstract

(WO2013139102)

An early-removal formwork system for concreting of constructions comprising beams, plates and columns comprises a plurality of rectangular standard formworks (1), a plurality of early-removal support columns (2), several auxiliary beams (3) and auxiliary formworks. The standard formwork (1) is formed by a face plate (11) and a formwork frame (12), and the formwork frame (12) is provided with L-shaped corners (121) at four corners. The early-removal support column (2) is formed by an upper support column (21) and a lower support column (22) in telescopic connection, a rectangular top plate (23) is disposed at the top end of the upper support column (21), one corner of the top plate (23) fits an internal corner of any L-shaped corner (121) on the formwork frame (12). An unloading mechanism (24) is connected between the upper support column (21) and the lower support column (22). An early removal mechanism (25) for early removal of the standard formwork (1) is disposed on the upper support column (21), short support posts (251) for supporting the formwork frame (12) are disposed at four corners of the early removal mechanism (25), and a structure for preventing the formwork frame (12) from slipping out is formed between the short support post (251) and the L-shaped corner (121). The formwork frame (12), the auxiliary formwork, the auxiliary beam (3), and a suspension beam (4) may be all in a removal combined structure. In the formwork system, transport and storage of the formwork are convenient, and manufacturing cost is reduced.

Inventors

ZHANG JIANHUA

Latest standardized assignees - inventors removed

SHANDONG PRIMA FORMWORK

Family 19/100 - FAMPAT - ©Questel

Title

(EP3375953)

Swing girder and scaffold system with such swing girder and a method of erecting the scaffold system

Images

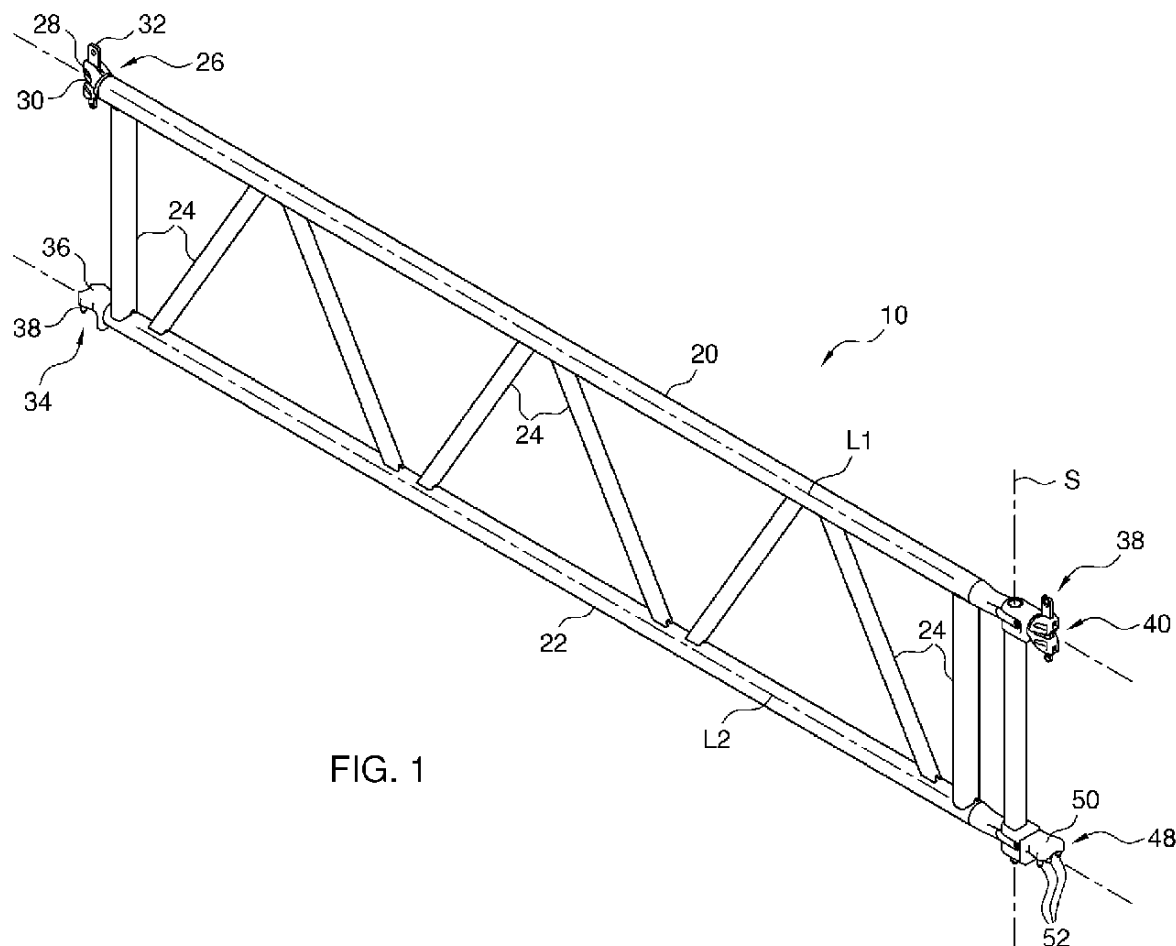


FIG. 1

Publication data including kind & date

EP3375953	A1	2018-09-19	EP3375953
NL2018515	B1	2018-09-24	NL2018515

**Abstract**

(EP3375953)

A swing girder (10) for use in a scaffold system of the ring scaffold type including standards (12, 112) having, arranged at regular distances, ring-shaped rosettes (14) with coupling recesses (18), the swing girder including a top-girder (20), a bottom-girder (22) and a number of connecting tubes (24) which interconnect the top-girder (20) and the bottom-girder (22) with each other. Further, the swing girder is provided with two fixed rosette couplings (26, 34) at a first end and with a swing connector assembly (38) comprising two pivotable rosette couplings (40, 48) connected with a second end of the swing girder in a manner pivotable around a pivoting axis (S). A lower of the two pivotable rosette couplings is a pivotable girder-support coupling (48) which includes a support plate (50) with positioning pin (52). The positioning pin is receivable in a coupling recess of the rosette which supports the support plate. Further, a scaffold system and a method of erecting such a scaffold system are described.

Inventors

BRINKMANN FRANCISCUS JOZEF LEONARDUS HUBERTUS

Latest standardized assignees - inventors removed

SCAFOM HOLDING

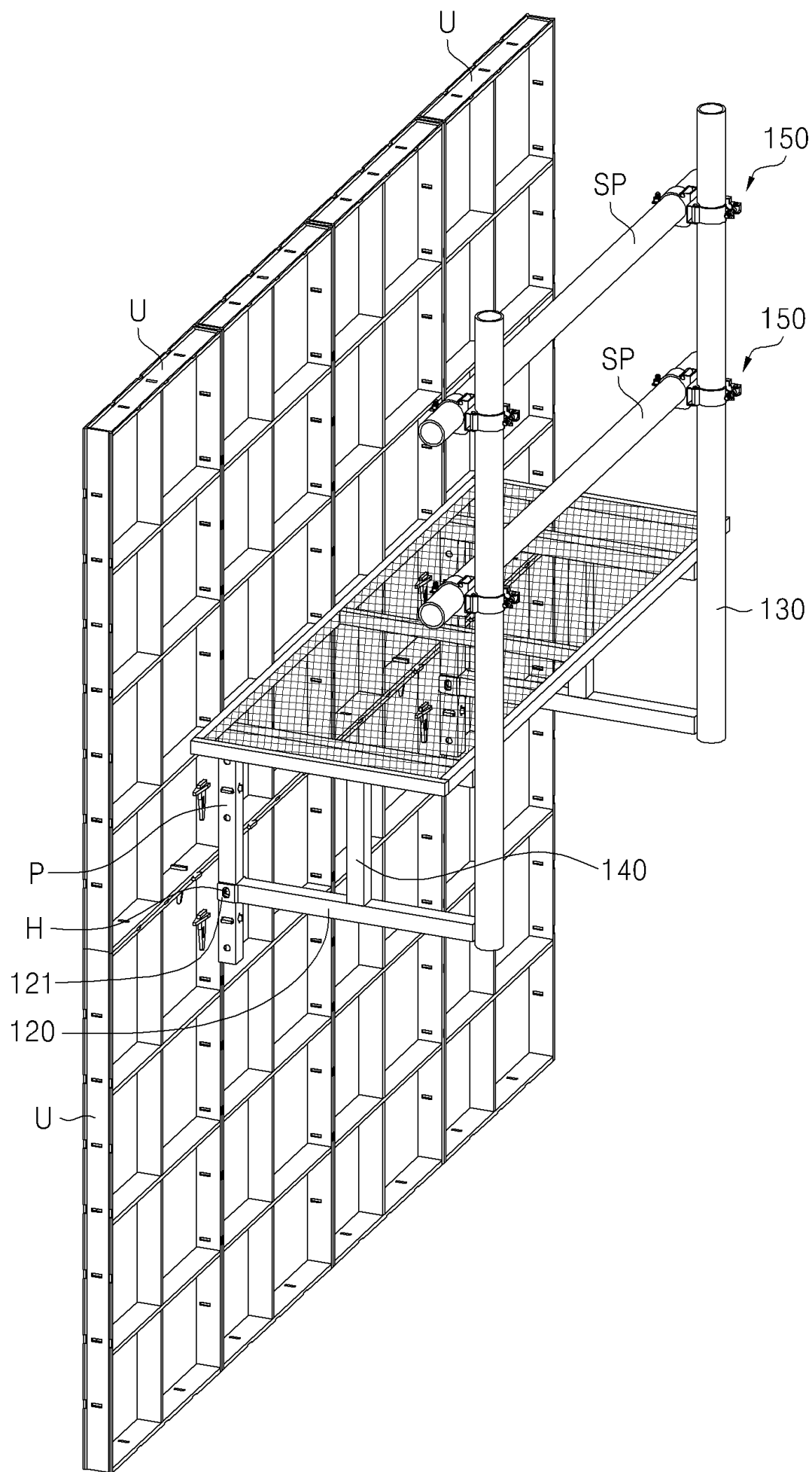
Family 20/100 - FAMPAT - ©Questel

Title

(KR101817962)

Safety support device module

Images



Publication data including kind & date

KR20170119777	A	2017-10-30	KR20170119777
KR101817962	B1	2018-01-16	KR101817962

**Abstract**

(KR101817962)

Disclosed is a safety workbench module. According to the present invention, the safety workbench module connected to a vertical steel pipe connecting molds to each other includes: a first frame having a footboard in the upper part; a second frame installed at fixed intervals on the lower side of the first frame, wherein the front end of the second frame is supported by being in contact with a lower end of the rear surface of the vertical steel pipe; and a third frame integrally connecting the rear end of the first frame and the rear end of the second frame and connected to a safety pipe or a safety fence along a protruding part as an end protrudes from the upper side of the first frame. The first frame includes a connection unit for a steel pipe, which is inserted into the vertical steel pipe by protruding from the lower surface of the front end. According to the present invention, the safety workbench module can sufficiently guarantee the safety of a worker while providing convenience of connection and disconnection to the mold.

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Inventors

KIM, KUEN SEOP
JONG, SANG - YUN

Latest standardized assignees - inventors removed

BLUE FORM

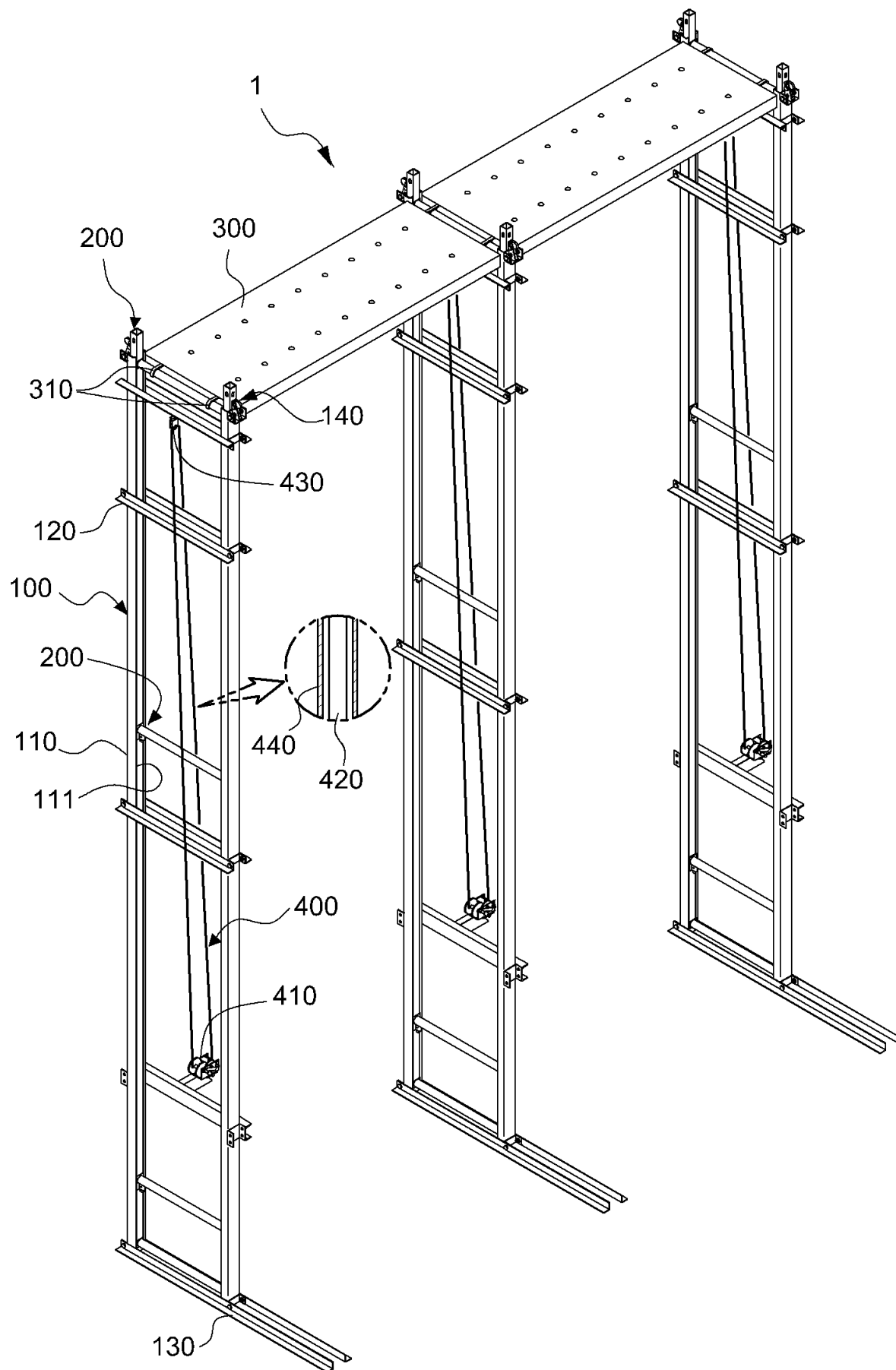
Family 21/100 - FAMPAT - ©Questel

Title

(KR101769041)

A going up and down worktable for work scaffold and concrete mold system comprising the same

Images



Publication data including kind & date

KR20170062891	A	2017-06-08	KR20170062891
KR101769041	B1	2017-08-17	KR101769041



Abstract

(KR101769041)

The present invention relates to a lifting worktable for a work scaffold and a concrete mold system comprising the same,

wherein when the lifting worktable is not used, the lifting worktable does not interfere with other work such as installation of a concrete mold. Moreover, when high place work is required, a scaffold is raised to provide a working space to a worker. According to the present invention, the lifting worktable for a work scaffold comprises a plurality of fixing rods (100), a lifting rod (200), a scaffold (300), and a lifting means (400).

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Inventors

KWON, CHANG SUNG

Latest standardized assignees - inventors removed

SEO BO GASEOL INDUSTRIAL

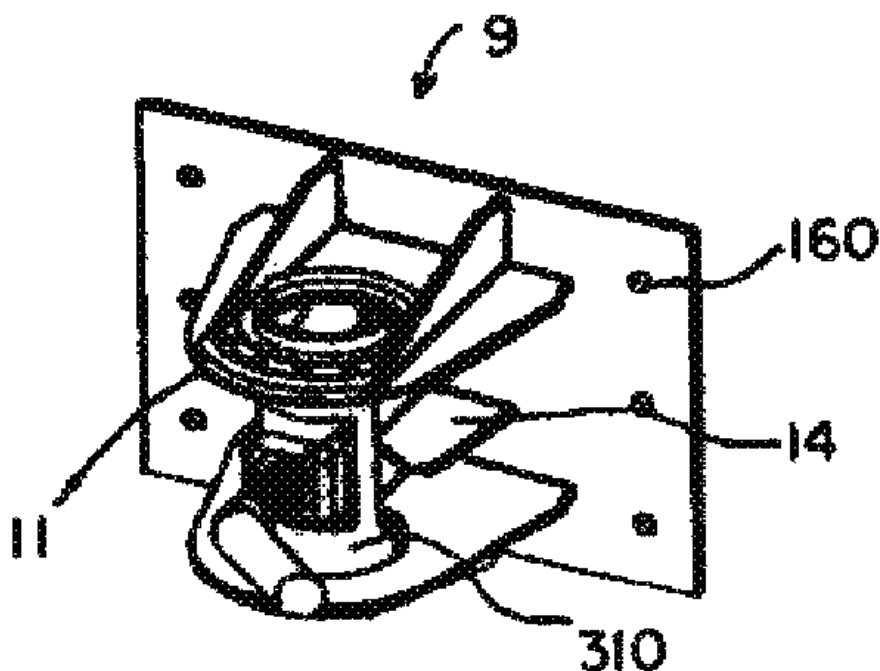
Family 22/100 - FAMPAT - ©Questel

Title

(WO2010107492)

Flexible, multi-configuration concrete form system

Images



Publication data including kind & date

WO2010/107492	A1	2010-09-23	WO2010107492
CA2739994	A1	2010-09-23	CA2739994
US20100252714	A1	2010-10-07	US20100252714
CA2739994	C	2013-10-22	CA2739994
US8919726	B2	2014-12-30	US8919726
US20150069214	A1	2015-03-12	US20150069214
US9470004	B2	2016-10-18	US9470004
US20170058540	A1	2017-03-02	US20170058540
US10145131	B2	2018-12-04	US10145131



Abstract

(WO2010107492)

The present invention is directed to a flexible concrete form system having both flexible and rigid parts that are easily assembled and disassembled using a multi-contact point connection system. The concrete form system can be extended or stacked in a wide variety of configurations to accommodate almost any desired concrete shape.

Inventors

HENDRICKS ROBERT

Latest standardized assignees - inventors removed

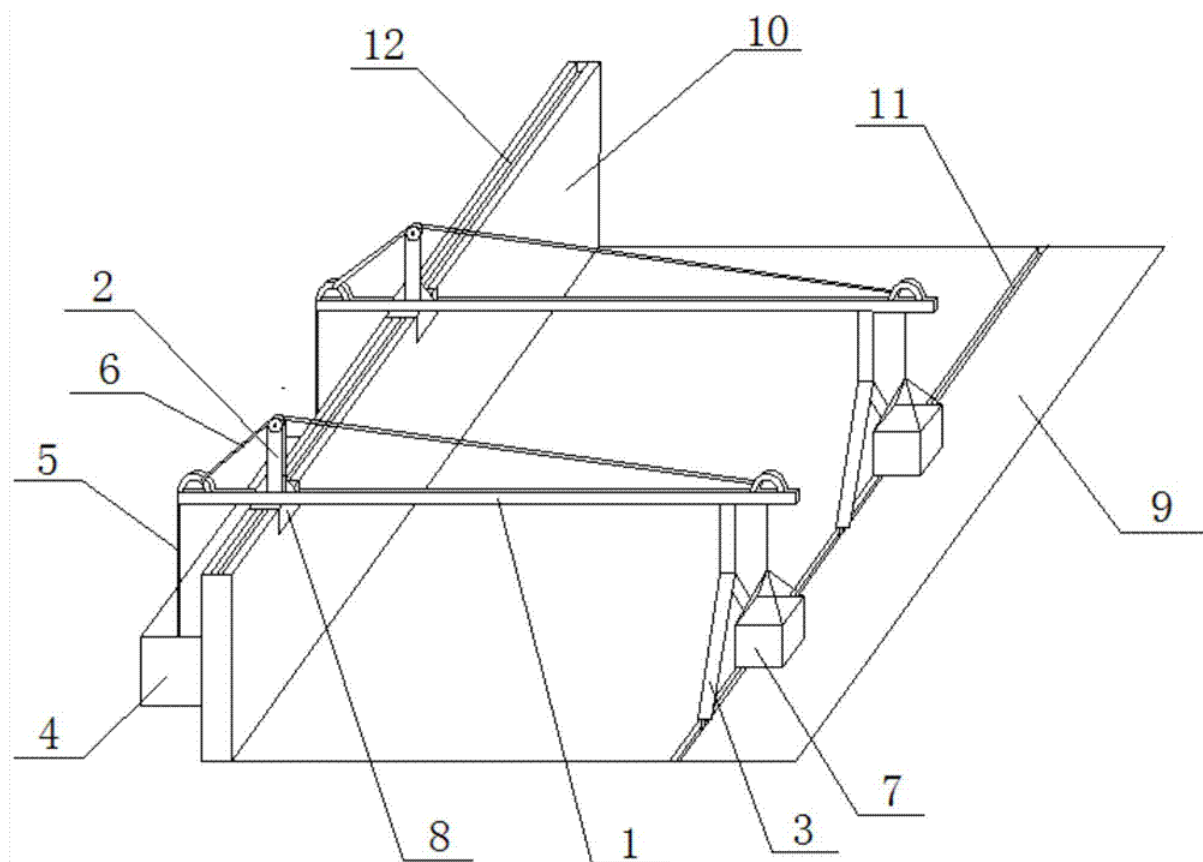
DINESOL PLASTICS NILES OH

Family 23/100 - FAMPAT - ©Questel

Title

(CN107795112)

High-maneuverability building outer wall aerial working platform structure

Images**Publication data including kind & date**

CN107795112	A	2018-03-13	CN107795112
CN107795112	B	2019-03-05	CN107795112B

**Abstract**

(CN107795112B)

The invention discloses a high-maneuverability building outer wall aerial working platform structure. The high-maneuverability building outer wall aerial working platform structure comprises a hanging platform and a suspended hanging platform, and the hanging platform comprises supporting frames, a cable and a counterweight, wherein each supporting frame comprises a crossbeam, a mast and a supporting foot; one end of each crossbeam extends out of an outer wall and is fixed at the upper edge of the outer wall, and the other end of each crossbeam is supported by the corresponding supporting foot supported on the roof surface; each mast is vertically arranged on the corresponding crossbeam, the counterweight is suspended below the corresponding crossbeam, and the counterweight and the corresponding supporting foot are located at the same end of the corresponding crossbeam; the high-maneuverability

building outer wall aerial working platform structure further comprises a first track and a second track, wherein the first track is arranged on the roof surface, a roller is arranged on the lower portion of each supporting foot, and the rollers on the lower portions of the supporting feet are embedded in the first track; and the second track is arranged at the upper edge of the outer wall, a roller is arranged on the lower portion of each crossbeam, and the rollers on the lower portions of the crossbeams are embedded in the second track. According to the high-maneuverability building outer wall aerial working platform structure, mobile maneuverability of a hanging basket device can be enhanced, adhesion force of the hanging basket device is also enhanced at the same time, and then stability and safety of the hanging basket device are enhanced accordingly.

Inventors

YANG JIAZHI

Latest standardized assignees - inventors removed

CHENGDU HUAYANG CONSTRUCTION

Family 24/100 - FAMPAT - ©Questel

Title

(WO201973255)

Support apparatus

Images

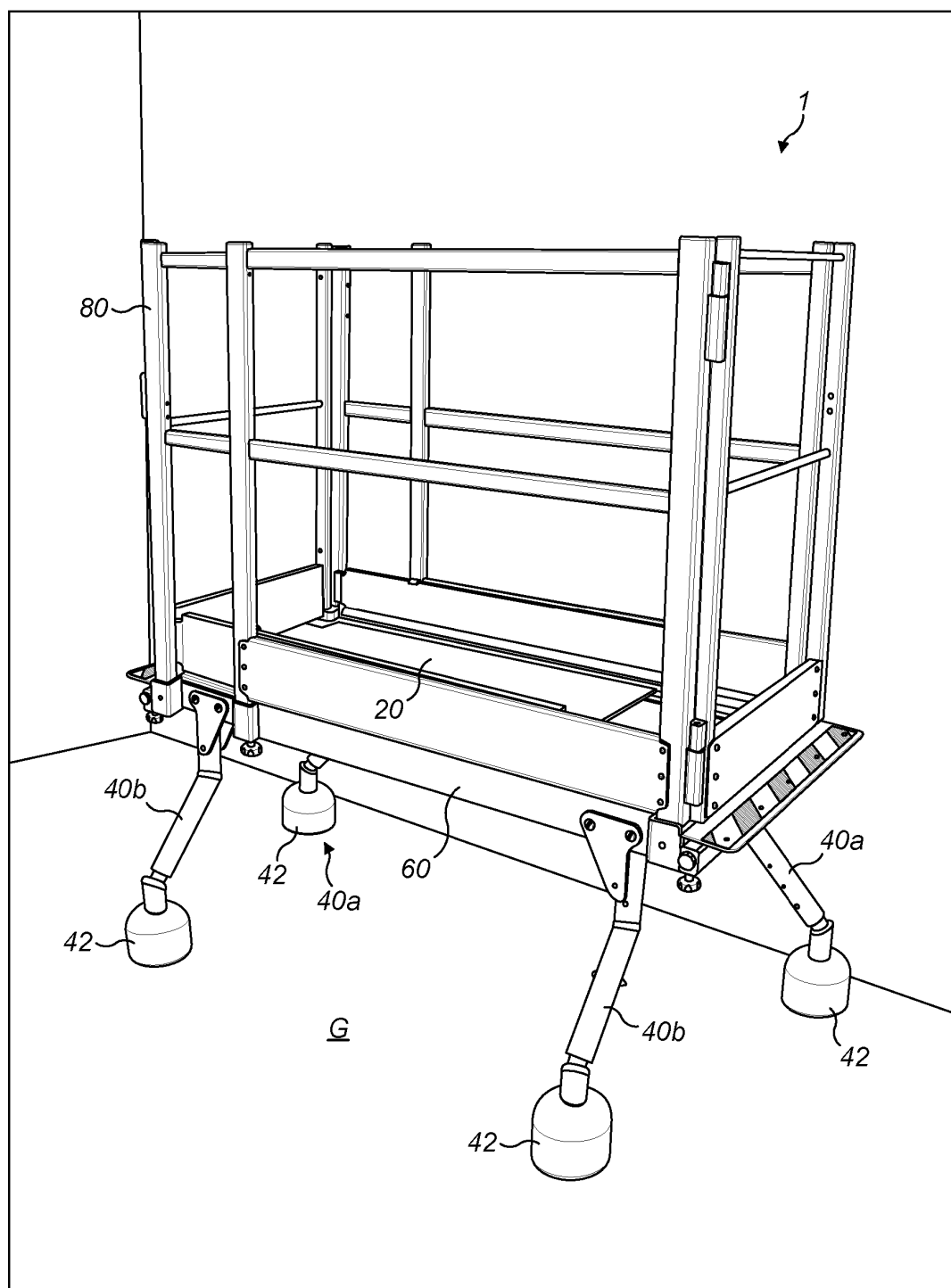


FIG. 1

Publication data including kind & date

GB201716844	D0	2017-11-29	GB201716844
WO2019/073255	A1	2019-04-18	WO201973255
GB2569773	A	2019-07-03	GB2569773



Abstract

(WO201973255)

A support apparatus (1) for supporting a user in an elevated working position above a ground surface G comprises a frame (60) for supporting a floor portion (20) of the support apparatus and a plurality of leg members (40a, 40b) mounted to the frame (60) for supporting the frame above the ground surface G. Each leg member has a foot portion (42) for engaging the ground surface G. Each leg member is rotatably mounted to the frame for rotation about a rotational axis which is

substantially perpendicular to the width and the length of the frame and each leg member extends from the frame in a radial direction of the rotational axis, whereby the foot portion is offset from the rotational axis.

Inventors

BLACK JOHN ALEXANDER

BLACK ROBERT DAVID

Latest standardized assignees - inventors removed

BLACK JOHN ALEXANDER

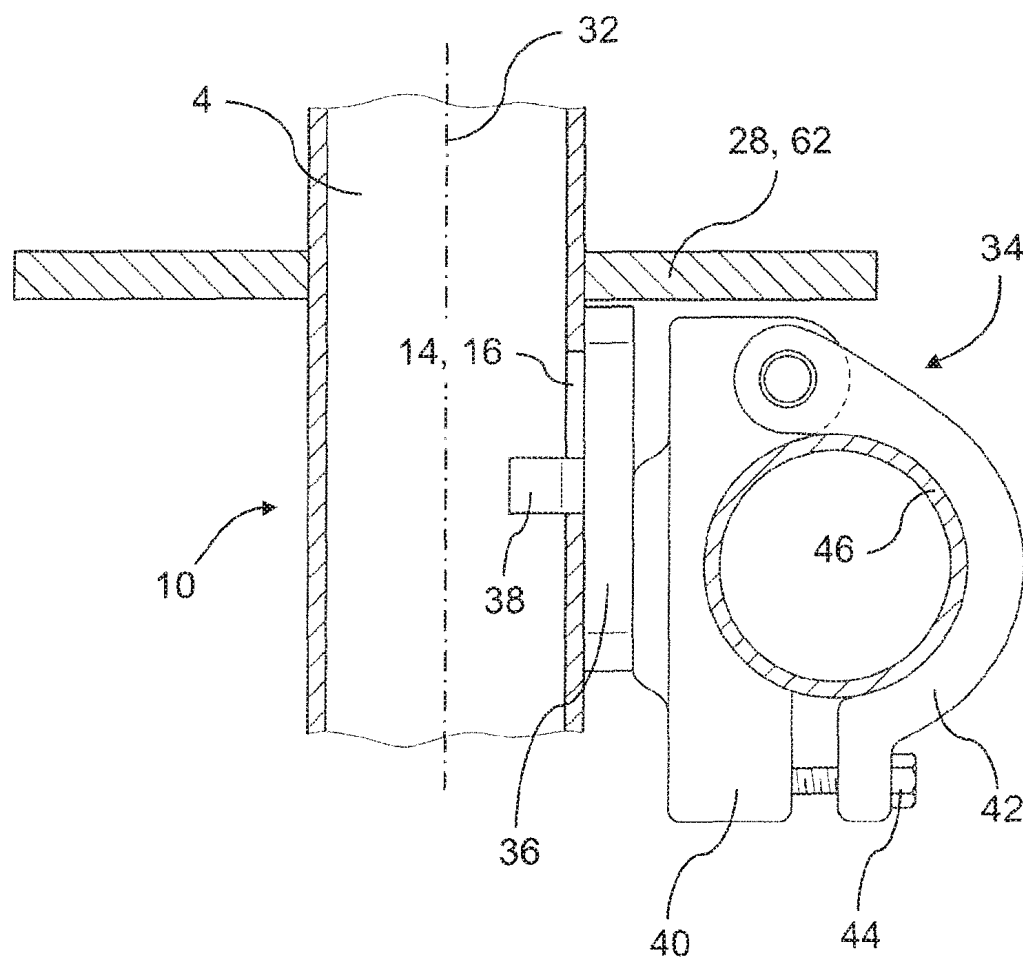
Family 25/100 - FAMPAT - ©Questel

Title

(EP3303730)

Scaffold with scaffold holder receptacle and use of an aperture in a scaffold pole

Images



Publication data including kind & date

CA2984550	A1	2016-12-01	CA2984550
DE102015209735	A1	2016-12-01	DE102015209735
WO2016/188660	A1	2016-12-01	WO2016188660
BR112017022522	A1	2017-10-31	BR112017022522
IN201737037271	A	2017-11-17	IN201737037271
SG11201708619X	A	2017-12-28	SG11201708619X
CN107636238	A	2018-01-26	CN107636238
US20180073258	A1	2018-03-15	US20180073258
EP3303730	A1	2018-04-11	EP3303730



CL2017002877	A1	2018-05-18	CL2877201700				
MY166233	A	2018-06-22	MY-166233				
BR112017022522	A2	2018-07-10	BR112017022522				
JP2018519437	A	2018-07-19	JP2018519437				
UA117650	C2	2018-08-27	UA-117650				
RU2666821	C1	2018-09-12	RU2666821				
CA2984550	C	2019-01-08	CA2984550				
US10190326	B2	2019-01-29	US10190326				
EP3303730	B1	2019-03-27	EP3303730				
CN107636238	B	2019-05-03	CN107636238B				
JP6532960	B2	2019-06-19	JP6532960				

Abstract

(EP3303730)

A scaffold (2), in particular a facade scaffold, comprising an inner pole (4), an outer pole (6) and a crossmember (8) between the inner pole (4) and the outer pole (6), is characterized in that the inner pole (4) has in a hollow pole portion (10) a first receiving through-aperture (14) for a coupling for attaching a scaffold holder, and in that a maximum distance between the first receiving through-aperture (14) and an upper side (12) of the crossmember (8) is at most 300 mm, wherein the first receiving through-aperture (14) is a) arranged below the upper side (12) of the crossmember (8), or is b) formed above the upper side (12) of the crossmember (8) as a first oblong hole (16), wherein the longitudinal axis (30) of the first oblong hole (16) is oriented in particular parallel to the pole longitudinal axis (32) of the hollow pole portion (10). The invention simplifies and speeds up the operation of mounting a scaffold holder on a scaffold. At the same time, in the case of a two-pole scaffold holder, it allows an increase in a passage height below the scaffold holder.

Inventors

MIKIC ERZAD

Latest standardized assignees - inventors removed

PERI

Family 26/100 - FAMPAT - ©Questel

Title

(NL2019510)

Buisconstructie

Publication data including kind & date[NL2019510](#) B1 2019-03-19 NL2019510**Abstract**

(NL2019510)

De uitvinding heeft betrekking op een buisconstructie, omvattende een meervoudig aantal via een extrusieproces integraal gevormde aluminium buisprofielen. Elk van de buisprofielen definieert een centrale holte en een meervoudig aantal zich radiaal buiten de holte bevindende kamers. Voorts zijn de kamers in hoofdzaak evenredig in een omtreksrichting om de centrale holte verdeeld. Tussen naastgelegen kamers is een gootprofiel gevormd voor het opnemen van een extern verbindingselement.

Inventors

ROBIN REIGWEIN

ROBERT JACOBUS REIGWEIN

Latest standardized assignees - inventors removed

RECO HOLDING

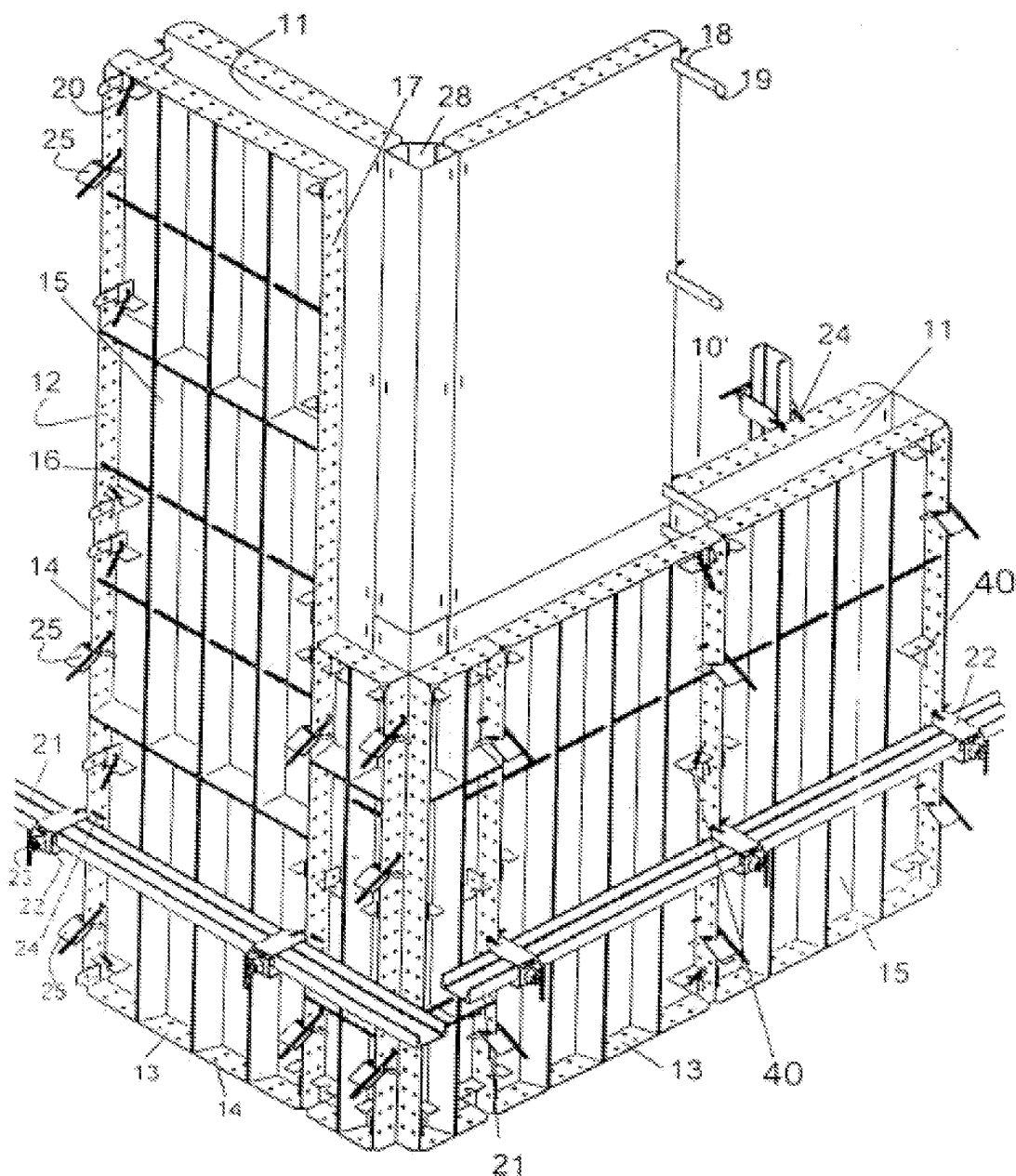
Family 27/100 - FAMPAT - ©Questel

Title

(EP1806462)

Metal formwork with accessories for moulding concrete

Images



Publication data including kind & date

WO2005/047623	A1	2005-05-26	WO200547623
WO2005/047623	B1	2005-09-29	WO200547623
BRPI0416332	A	2007-01-09	BR200416332
BRPI0416332	A1	2007-01-09	BRPI0416332
CN1914388	A	2007-02-14	CN1914388
IN0563/MUMNP/2006	A	2007-06-22	IN2006MN00563
EP1806462	A1	2007-07-11	EP1806462
MXPA06005539	A	2007-10-18	MX2006PA005539
US20080128582	A1	2008-06-05	US20080128582
CN100447363	C	2008-12-31	CN100447363C
US8210492	B2	2012-07-03	US8210492
BRPI0416332	A2	2014-03-11	BR200416332



Abstract

(EP1806462)

The present invention relates to a formwork metallic form the molding in concrete in construction works and substructure. The invention is easy handy for uses numerous, with characteristic modular to facilitate the connection between them by means accessories metallic. This formworks metallic are modules which forms steel sheets with reinforcements and is sizes according the requirements in work. This formworks given its vicinity them give the form to concrete especially walls flagstones and mezzanine's slabs.

Inventors

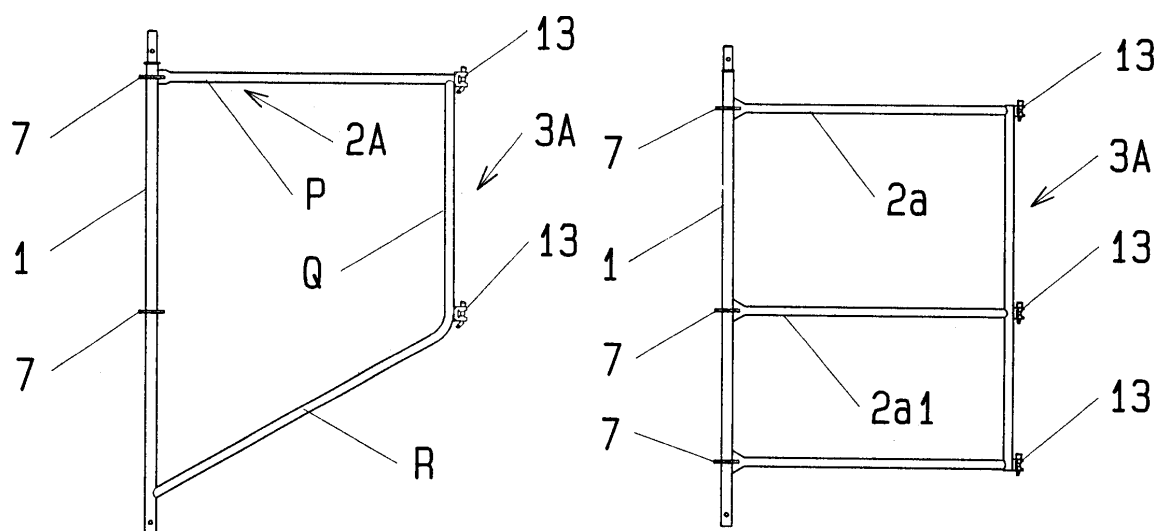
SERRANO RODRIGUEZ GUSTAVO

Family 28/100 - FAMPAT - ©Questel

Title

(US6450291)

Frames and structures assembled by same

Images**Publication data including kind & date**

JP11241497	A	1999-09-07	JP11241497
US20020036118	A1	2002-03-28	US20020036118
US6450291	B2	2002-09-17	US6450291
JP4268701	B2	2009-02-27	JP4268701

**Abstract**

(US6450291)

A fram with a support post, a first connector support member mounted at an intermediate position of the post and a second connector support member or members mounted at an upper or lower position, or both the upper and the lower positions, of the support post. A lateral member is secured to a side portion of the support post in a fixed, removable or rotatable state. A connector is mounted at an outer end of the lateral member at a vertical position corresponding to the first or the second connector support member.

Inventors

ONO TATSUO

Latest standardized assignees - inventors removed

NISSO SANGYO

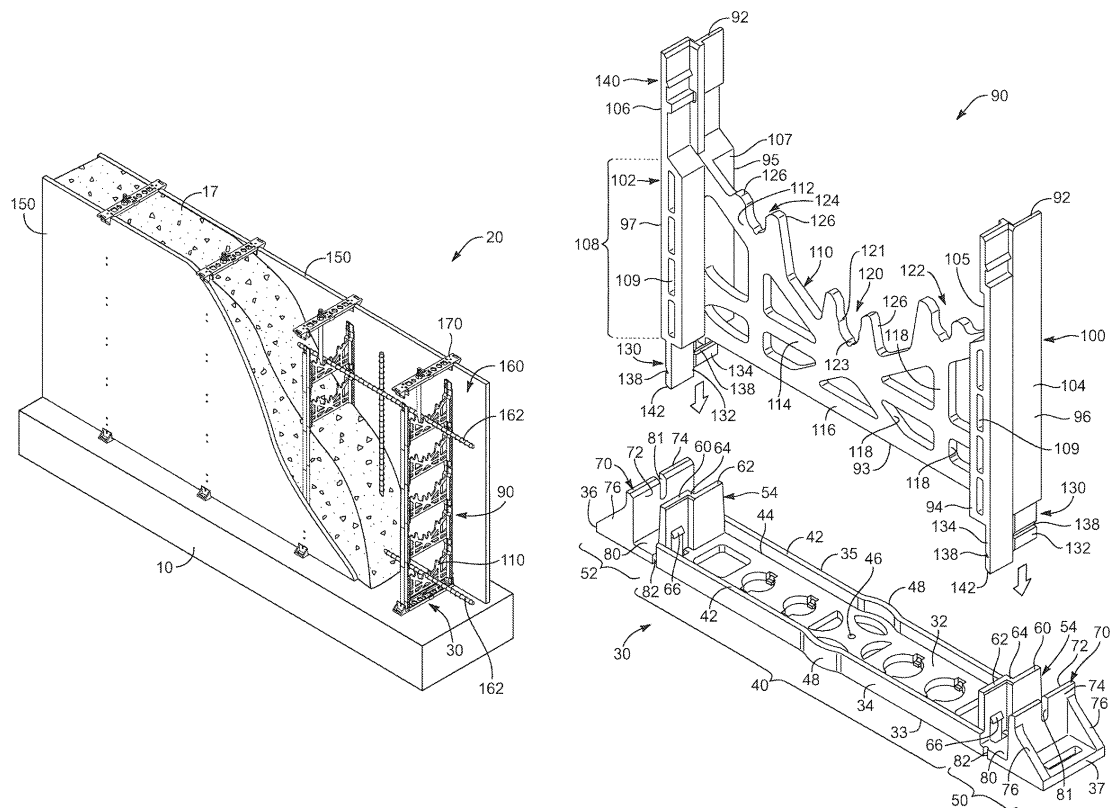
Family 29/100 - FAMPAT - ©Questel

Title

(US9260874)

Wall forming system and method thereof

Images



Publication data including kind & date

US20130326983	A1	2013-12-12	US20130326983
US20140157704	A1	2014-06-12	US20140157704
US9033303	B2	2015-05-19	US9033303
US9260874	B2	2016-02-16	US9260874



Abstract

(US9260874)

A tie system and method for forming a wall from a hardenable building material over an existing concrete wall. In one embodiment, the tie system includes multiple wall ties configured to be directly interconnected to form a wall tie stack such that multiple wall tie stacks can be positioned over the existing concrete wall in a spaced apart, vertically extending arrangement. The multiple wall tie stacks are configured to extend substantially perpendicular between substantially parallel panel structures. The tie system may be secured with the parallel panel structures to extend vertically as forms for a concrete wall and, if desired, transversely as forms for a concrete roof structure over, for example, a roof truss system, joined together with forms for forming a concrete eave portion. In this manner, the tie system may be employed to form a concrete building structure extending as the walls and roof of the structure.

Inventors

MCDONAGH GREGORY M

Latest standardized assignees - inventors removed

PALADIN INDUSTRIAL

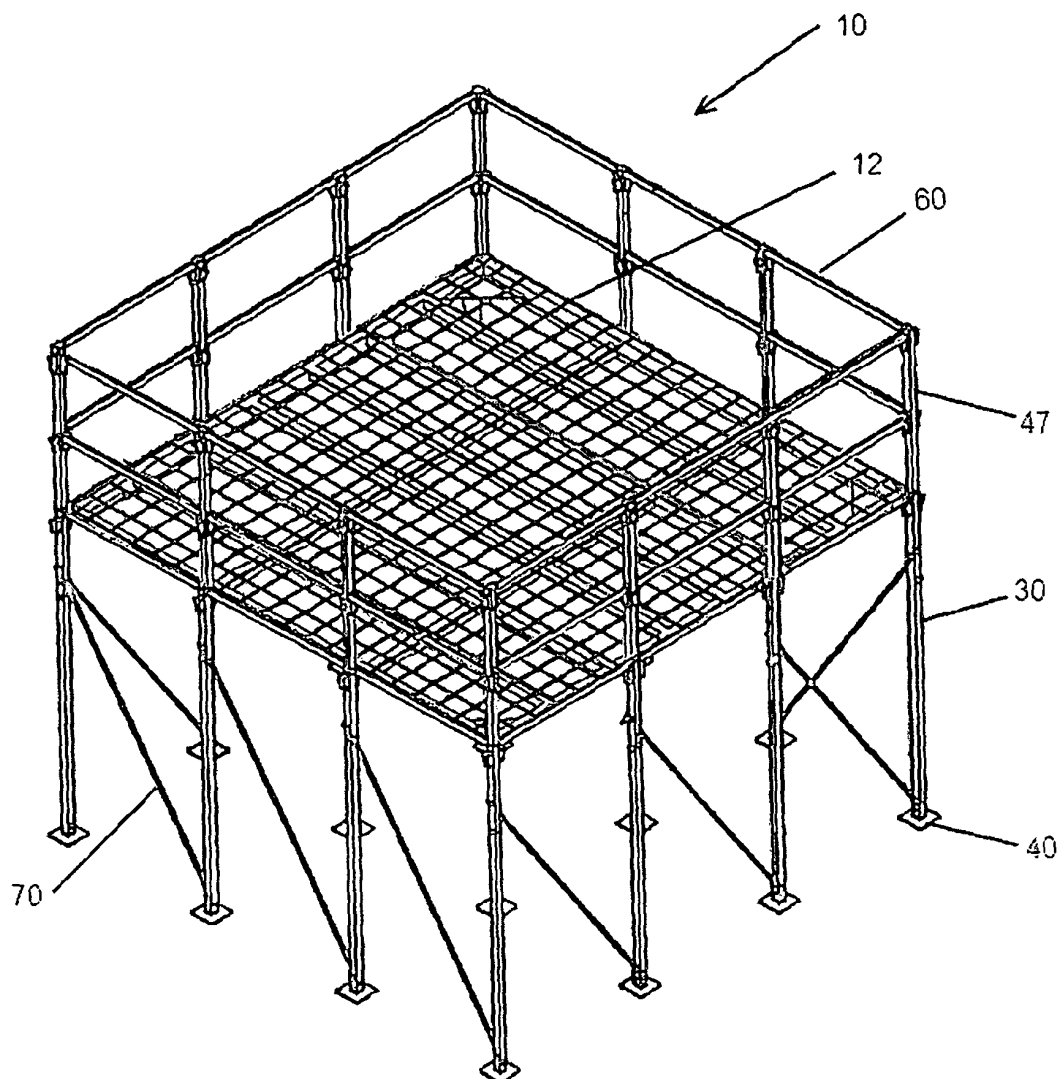
Family 30/100 - FAMPAT - ©Questel

Title

(EP2766540)

Modular platform

Images



Publication data including kind & date

CA2880140	A1	2013-04-18	CA2880140
WO2013/054143	A2	2013-04-18	WO201354143
WO2013/054143	A3	2013-06-13	WO201354143
AU2012322461	A1	2014-05-15	AU2012322461
EP2766540	A2	2014-08-20	EP2766540
US20140262619	A1	2014-09-18	US20140262619
AU2012322461	B2	2017-05-11	AU2012322461
US10145129	B2	2018-12-04	US10145129
CA2880140	C	2019-06-25	CA2880140



Abstract

(EP2766540)

We provide a platform (10) comprising a deck element (14) having a load-bearing member (18) secured to at least one support beam (16) of the deck element (14), and a plurality of first connection arrangements, and a plurality of deck support members (30) each having a second connection arrangement, wherein the deck element (14) is moveable with respect to the plurality of deck support members (30) to connect the deck element (14) to the plurality of deck support members (30), and wherein each of the first connection arrangements is configured to engage a respective one of the second connection arrangements, the first connection arrangement being one of an engaging member (20) or a receiving formation (35), and the respective second connection arrangement being the other of an engaging member (20) or a receiving formation (35), such that movement of the engaging member (20) in a first engaging direction causes the engaging member (20) to engage the receiving formation (35), to restrict movement of the deck element (14) relative to the respective deck support

member (30) in at least one plane.

Inventors

BAINS GURDIP SINGH

Latest standardized assignees - inventors removed

THREE G METAL FABRICATIONS

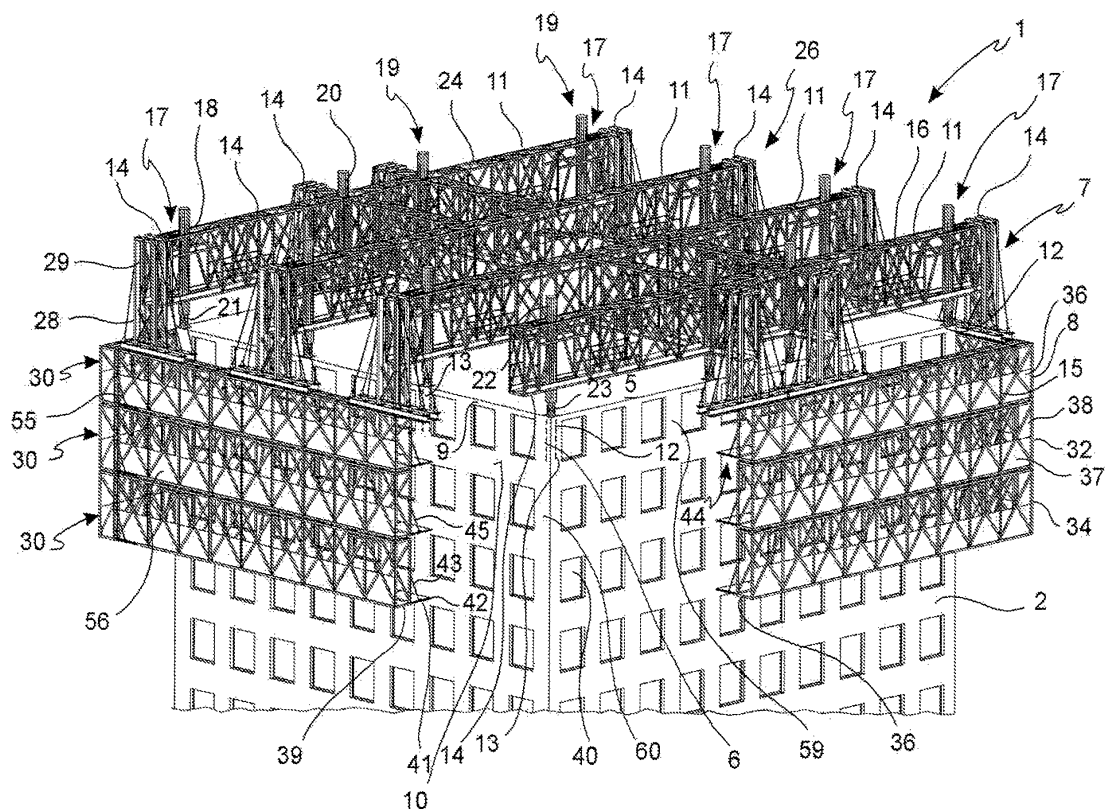
Family 31/100 - FAMPAT - ©Questel

Title

(EP2769032)

Equipment and method for demolishing a building

Images



Publication data including kind & date

CA2853145	A1	2013-04-25	CA2853145
WO2013/057543	A1	2013-04-25	WO201357543
EP2769032	A1	2014-08-27	EP2769032
US20140360814	A1	2014-12-11	US20140360814
JP2014534367	A	2014-12-18	JP2014534367
HK1200513	A1	2015-08-07	HK1200513
JP5997773	B2	2016-09-02	JP5997773
US9470006	B2	2016-10-18	US9470006
US20170002578	A1	2017-01-05	US20170002578
EP2769032	B1	2017-10-04	EP2769032
ES2651620	T3	2018-01-29	ES2651620
US10036171	B2	2018-07-31	US10036171
CA2853145	C	2019-01-15	CA2853145



Abstract

(EP2769032)

An equipment (1) for demolishing a building (2), wherein said building (2) comprises a building base (3) placed in proximity of a ground (4), or placed on the ground (4), and an opposite building top (5) or temporary building top (5) arranged away from said building base (3), as well as building floors (6), comprises: - a platform (7) adapted to be positioned against the top of the building (5) avoiding ground support devices which from the platform (7) reach the base of the building (3) or the ground (4) surrounding the building; said platform (7) comprising at least one working scaffold (8) adapted to be arranged along the periphery (9) of said building (2) and to face at least one floor (6) of said building (2); - said at least one working scaffold (8) being supported, hanged, on said platform (7) so that it descends along the side wall (10) of the building (2) to border the works for demolishing the building (2).

Inventors

PANSERI GIUSEPPE

PANSERI STEFANO

PANSERI ROBERTO

Latest standardized assignees - inventors removed

DESPE

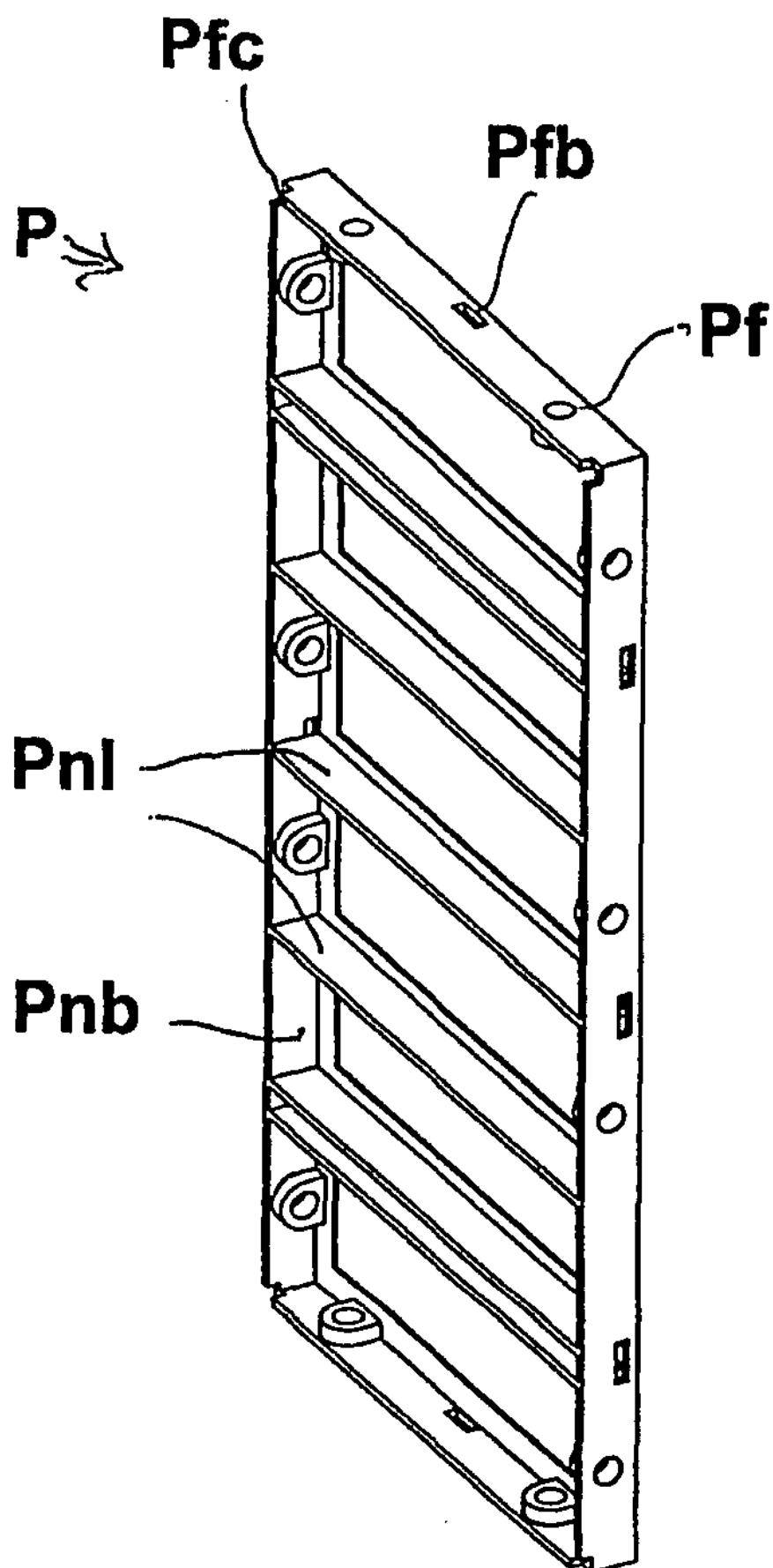
Family 32/100 - FAMPAT - ©Questel

Title

(EP1341978)

Modular elements for formworks

Images



Publication data including kind & date

ITPD20000278	A1	2002-06-13	IT2000PD0278				
WO02/48479	A2	2002-06-20	WO200248479				
CA2431356	A1	2002-06-20	CA2431356				
AU1743402	A	2002-06-24	AU200217434				
WO02/48479	A3	2003-01-09	WO200248479				
IT1315769	B1	2003-03-18	IT1315769				
EP1341978	A2	2003-09-10	EP1341978				
US20040056172	A1	2004-03-25	US20040056172				

Abstract

(EP1341978)

New system of formworks for concrete casting, comprising various elements connected to one another for the construction of any building structure in concrete, such as foundations, plinths, reversed beams, straight and curved walls, pillars, floors, beams having the same thickness as the floor, short beams and cantilevers. These elements comprise a single-piece panel made of a plastic material (thermoformed polymers), practically smooth on one side and provided with edge ribs along the four sides on the other side, said ribs being provided with holes and/or slots for the connection with adjacent modular elements, said single-piece panel being also provided with ribs for connecting said edge ribs, as well as pins and centering cones, connection wedges, angle sections, load distribution crosses, trapezium-shaped supports, flat bars with plane connection elements, locking blocks, cross support, extractor.

Inventors

SEDHAN EZIO

Latest standardized assignees - inventors removed

ECOLE NATIONALE SUPERIEURE ARTS & METIERS

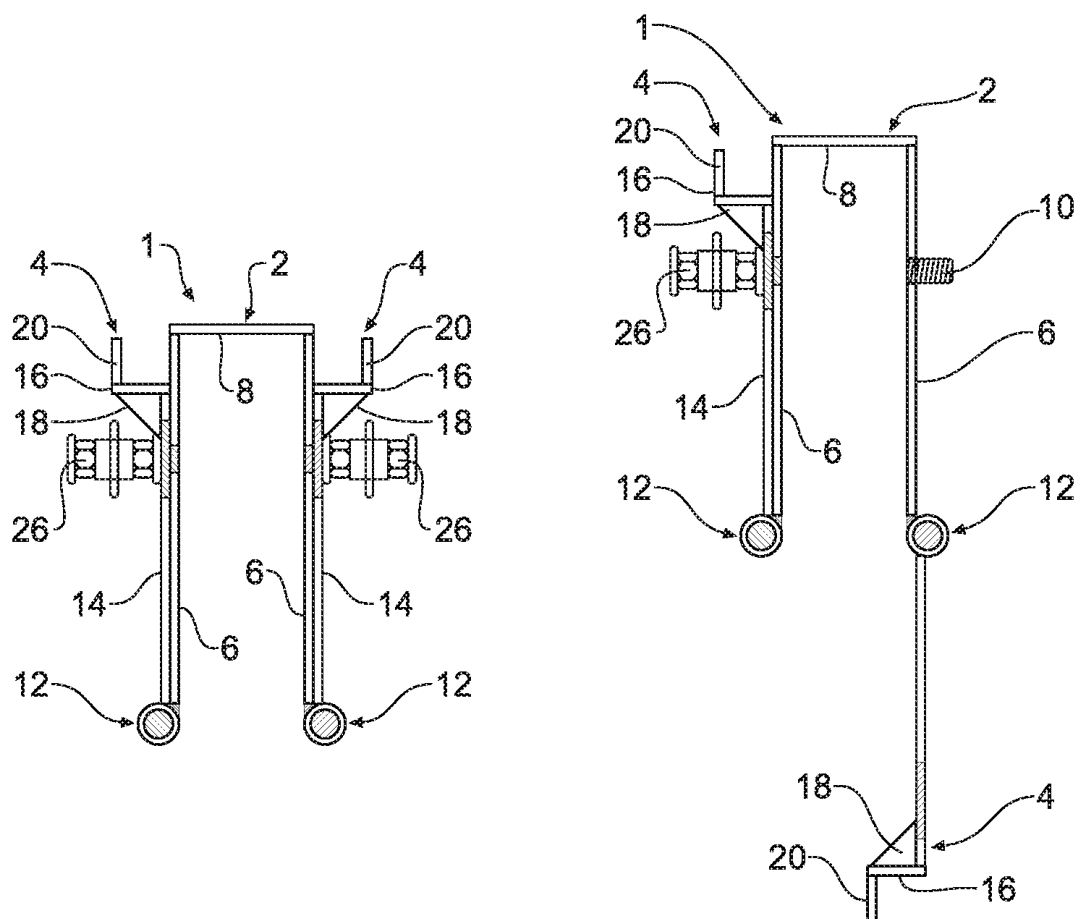
Family 33/100 - FAMPAT - ©Questel

Title

(EP2723955)

Formwork support improvements

Images



Publication data including kind & date

CA2839940	A1	2012-12-27	CA2839940
WO2012/174597	A1	2012-12-27	WO2012174597
EP2723955	A1	2014-04-30	EP2723955
KR20140064759	A	2014-05-28	KR20140064759
AU2012272537	A1	2014-06-12	AU2012272537
CN103930634	A	2014-07-16	CN103930634
US20140223853	A1	2014-08-14	US20140223853
JP2014520221	A	2014-08-21	JP2014520221
VN39063	A	2014-09-25	VN--39063
EP2723955	A4	2014-12-03	EP2723955
IN0478/DELNP/2014	A	2015-01-09	IN2014DN00478
HK1199076	A1	2015-06-19	HK1199076
RU2014101685	A	2015-07-27	RU2014101685
NZ620201	A	2015-09-25	NZ-620201
RU2570209	C2	2015-12-10	RU2570209
CN103930634	B	2016-11-02	CN103930634B
JP6059719	B2	2016-12-16	JP6059719
US9540830	B2	2017-01-10	US9540830
KR101713842	B1	2017-03-09	KR101713842
AU2012272537	B2	2017-07-20	AU2012272537
VN0020744	B	2019-04-25	VN--20744B



Abstract

(EP2723955)

This invention relates to a bracket assembly for a hardware assembly for forming an elevated concrete slab or the like, the

bracket assembly comprising a body securable to a supporting structure and a load bearing support carriage which depends from the body and is movable between at least upper and lower positions relative to the body whilst depending therefrom. An associated hardware assembly and method of use thereof are also disclosed.

Inventors

ROSATI EMILIO

Latest standardized assignees - inventors removed

FORM 700

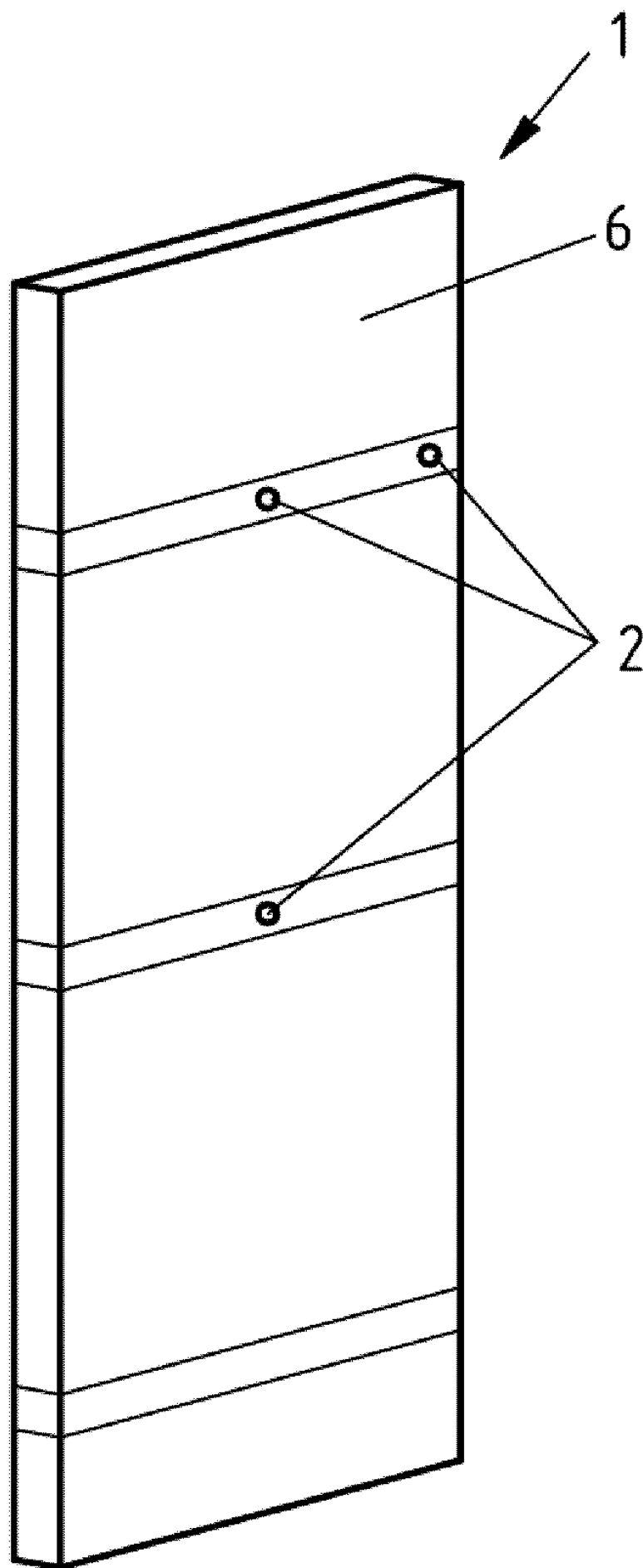
Family 34/100 - FAMPAT - ©Questel

Title

(EP2900887)

Wall formwork with a sealing system

Images



Publication data including kind & date

WO2014/048937	A1	2014-04-03	WO201448937
DE102012217823	A1	2014-04-03	DE102012217823
EP2900887	A1	2015-08-05	EP2900887
US20150252577	A1	2015-09-10	US20150252577
EP2900887	B1	2017-05-03	EP2900887
PL2900887	T3	2017-09-29	PL2900887

**Abstract**

(EP2900887)

A wall formwork with a sealing system, in particular for closing an anchor hole of the wall formwork or for sealing an anchor rod in an anchor hole of the wall formwork, which comprises an anchor seal and a closure cap, and which is made in such a way that the anchor seal and the closure cap can be detachably connected to the anchor hole or an adapter providing the anchor hole. By means of the invention, it can be made possible that one or more anchor seals and closure caps of the sealing system can be particularly easily removed from the wall formwork and re-used, and that a particularly small maintenance expenditure for the wall formwork can be achieved.

Inventors

BERGER MARTIN

KLEHR VOLKER

MANDOLLA MIKE

Latest standardized assignees - inventors removed

HUNNEBECK

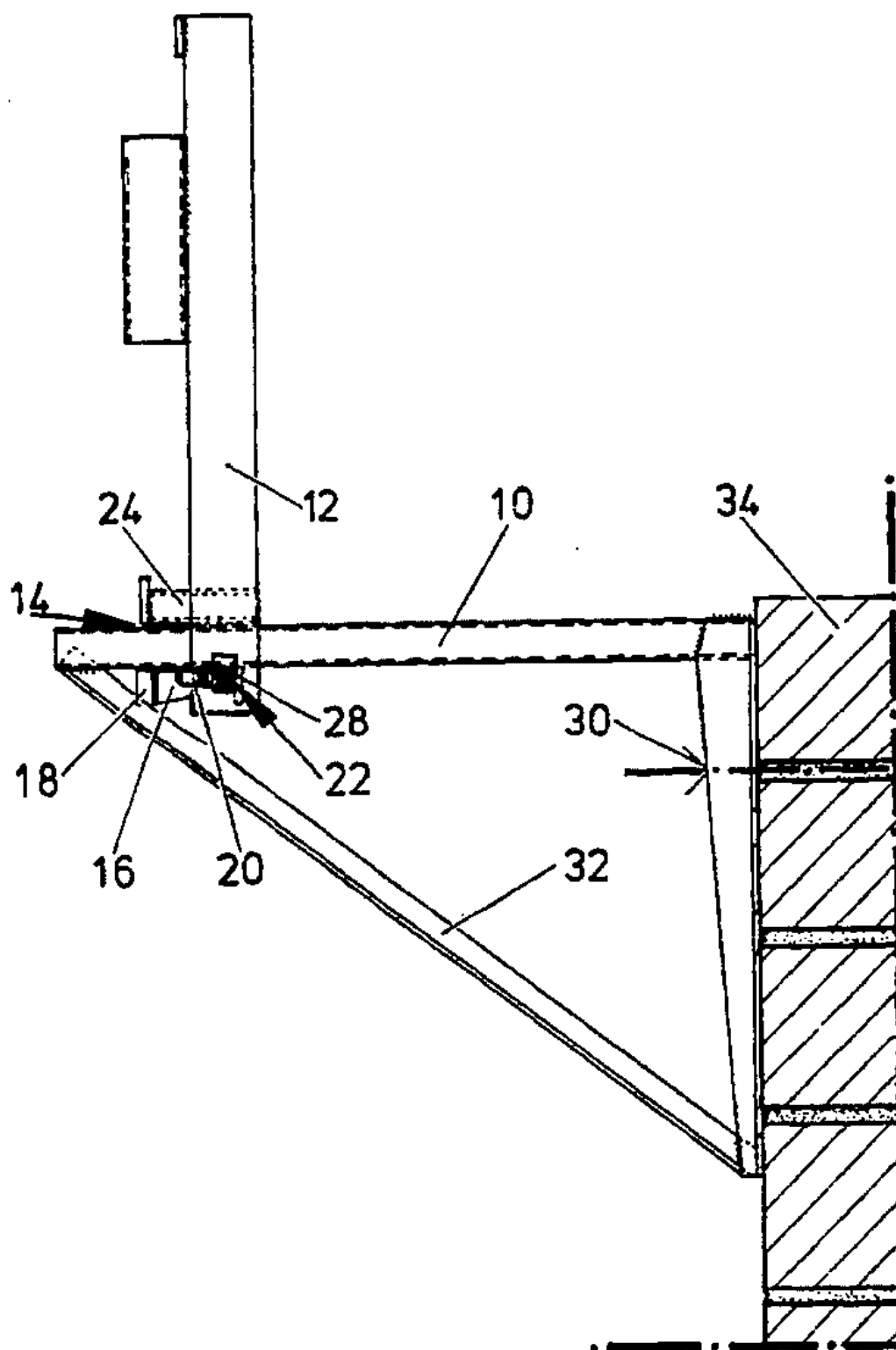
Family 35/100 - FAMPAT - ©Questel

Title

(EP-628123)

Wedge action connector

Images



Publication data including kind & date

DE4243216	A1	1994-06-23	DE4243216
WO94/15046	A1	1994-07-07	WO9415046
EP0628123	A1	1994-12-14	EP-628123
CZ197394	A3	1995-01-18	CZ9401973
HUT71947	A	1996-02-28	HU-T71947
EP0628123	B1	1996-09-04	EP-628123
AT142304	T	1996-09-15	ATE142304
DE59303666	D1	1996-10-10	DE59303666



ES2093514	T3	1996-12-16	ES2093514
CZ282955	B6	1997-11-12	CZ-282955
HU218242	B	2000-06-28	HU-218242

**Abstract**

(EP-628123)

The invention relates to a wedge action connector, especially for construction equipment, with an extended support, a releasably securable holding component longitudinally movable thereon which is stable in position at various longitudinal points on the support, which has an aperture at least partially surrounding a support with a limited range of movement, the cross-section of which is somewhat larger in at least one direction transversely to the support than the latter's corresponding cross-section, and with a securing wedge having two impact ends, the cross-section of which increases in its longitudinal direction, which can also be inserted through a safety aperture merging into the acceptance aperture and which in the secured position, bearing laterally on the support, clamps the holding component securely in position against the support. To improve handling and reduce the space required, the invention proposes that the safety wedge is arc-shaped and both its impact ends point roughly in the same direction.

Inventors

MUELLER SIEGFRIED

Family 36/100 - FAMPAT - ©Questel

Title

(WO2016151307)

Adjustable scaffold

Images

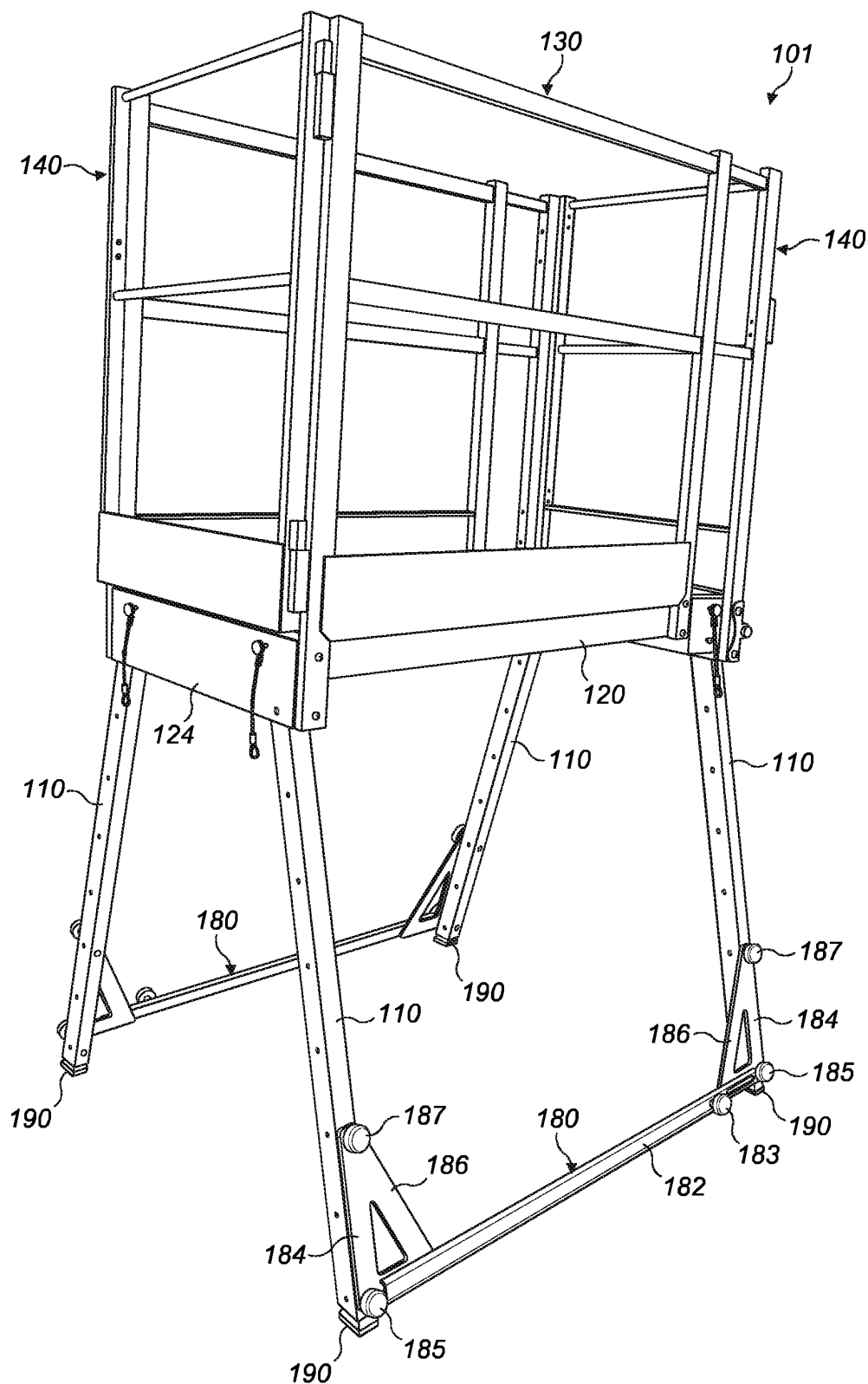


FIG. 15

Publication data including kind & date

GB201504769	D0	2015-05-06	GB201504769
GB2536629	A	2016-09-28	GB2536629
WO2016/151307	A1	2016-09-29	WO2016151307
GB2536629	B	2018-02-14	GB2536629



Abstract

(WO2016151307)

An extensible scaffold comprises a support frame comprising a first spaced member (24) and a second spaced member (24) and at least one extensible member (20) extensibly connecting the first spaced member to the second spaced member. A first platform member (54) is mounted to the extensible member (20) and configured to provide a first portion of a platform on the support frame. A hatch cover (56) is hingedly mounted to the first spaced member and slidable relative to the first platform member (54) and configured to provide a second portion of the platform on the support frame. The hatch cover (56) is arranged to be openable to provide access through the support frame.

Inventors

JOHN ALEXANDER BLACK

ROBERT DAVID BLACK

Latest standardized assignees - inventors removed

BLACK JOHN ALEXAMNDER

BLACK ROBERT DAVID

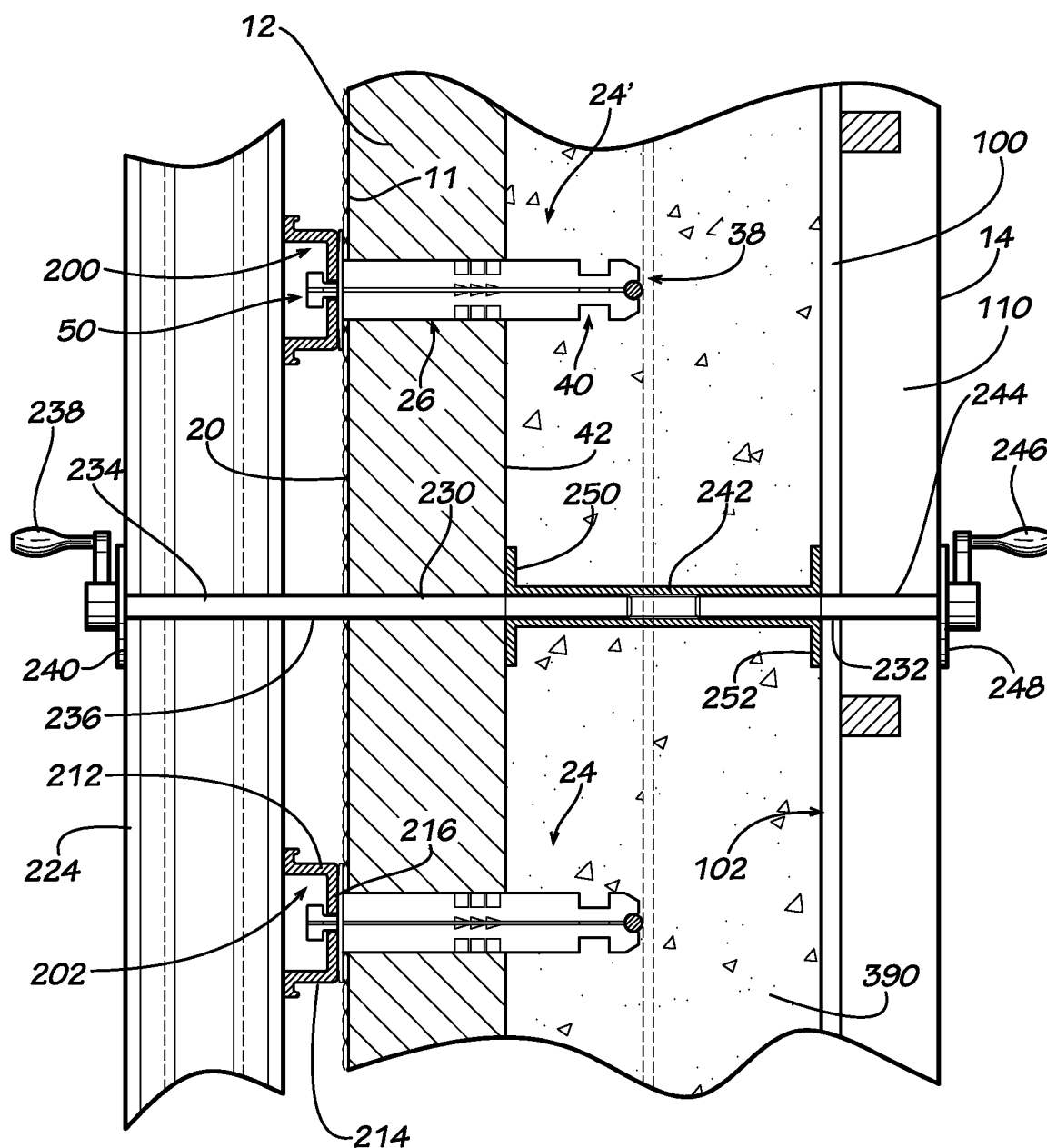
Family 37/100 - FAMPAT - ©Questel

Title

(EP2971394)

Hybrid insulated concrete form and method of making and using same

Images



Publication data including kind & date

US20140263942	A1	2014-09-18	US20140263942				
CA2906018	A1	2014-09-25	CA2906018				
WO2014/152426	A1	2014-09-25	WO2014152426				
US9074379	B2	2015-07-07	US9074379				
AU2014239659	A1	2015-10-01	AU2014239659				
US20150337548	A1	2015-11-26	US20150337548				
EP2971394	A1	2016-01-20	EP2971394				
IN3240/KOLNP/2015	A	2016-02-12	IN2015KN03240				
EP2971394	A4	2016-12-14	EP2971394				

Abstract

(EP2971394)

The invention comprises a product. The product comprises a foam insulating panel having a first primary surface and an opposite second primary surface. A removable concrete form is spaced from the foam insulating panel and a concrete receiving space is defined between the second primary surface of the foam insulating panel and the removable concrete form. A method of using a hybrid insulated concrete form is also disclosed.

Inventors

CIUPERCA ROMEO ILARIAN

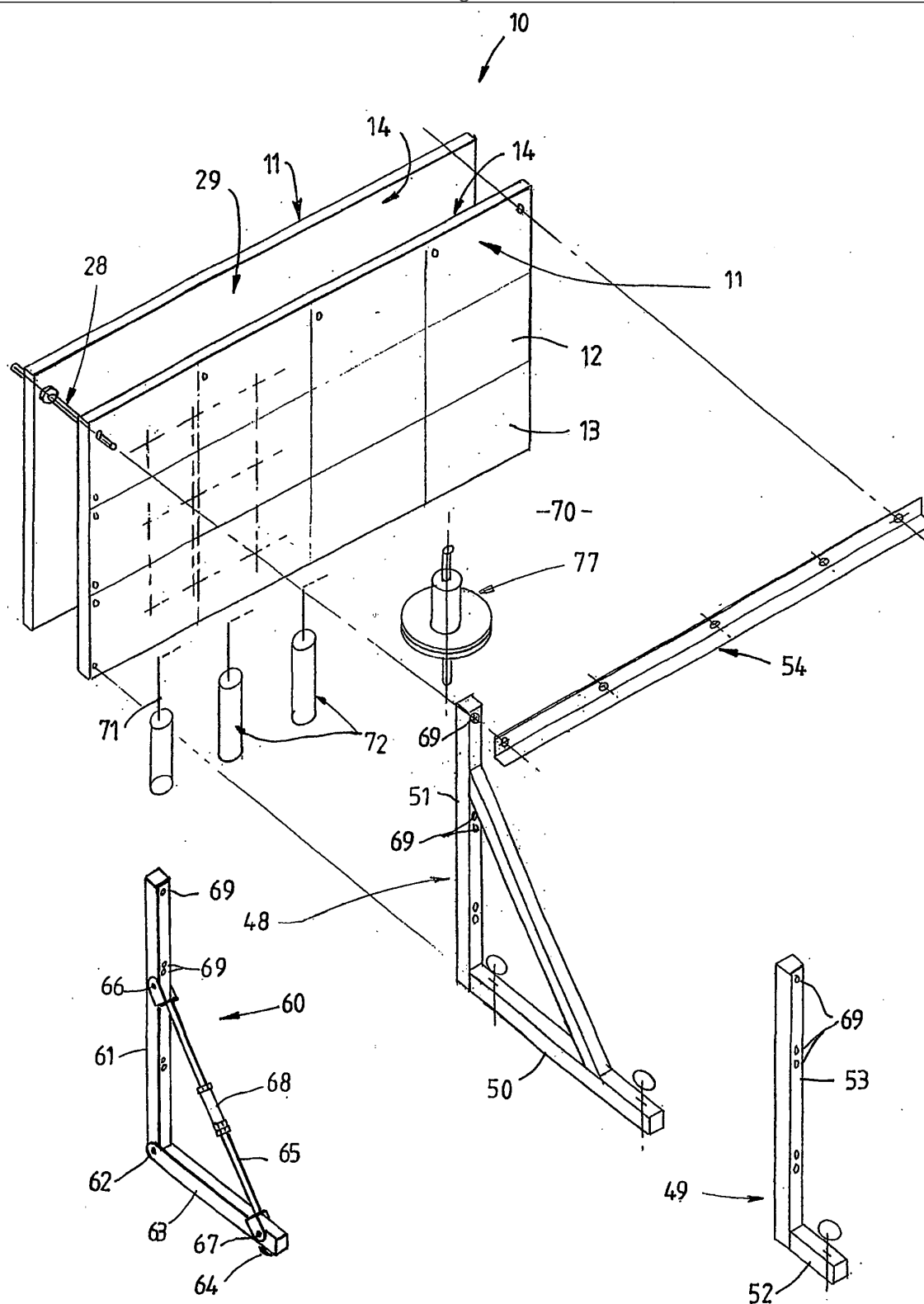
Family 38/100 - FAMPAT - ©Questel

Title

(WO200255812)

Moulding of concrete walls

Images



Publication data including kind & date

AUPR247001	A0	2001-02-01	AU-247001
WO02/055812	A1	2002-07-18	WO200255812
AU7733101	A	2002-07-18	AU200177331
AU756073	B2	2003-01-02	AU-756073
US20040075040	A1	2004-04-22	US20040075040



Abstract

(WO200255812)

A method and apparatus for moulding concrete walls and for forming a mould assembly for moulding concrete walls using a pair of spaced moulds (11) formed by a plurality of mould panels (12) and (13) which have peripheral portions which

overlap. Interconnecting pins (28) extend between the moulds (11) passing through the overlapping portions of the panels (12) and (13) to interconnect at least adjacent side by side mould panels (12) and (13) and space the moulds (11) from each other. Support frames (48), (49) or (60) form a supporting grid to support the moulds (11) at least at one side in an upright attitude.

Inventors

SCALLAN PATRICK JOSEPH

Latest standardized assignees - inventors removed

SCALLAN P J

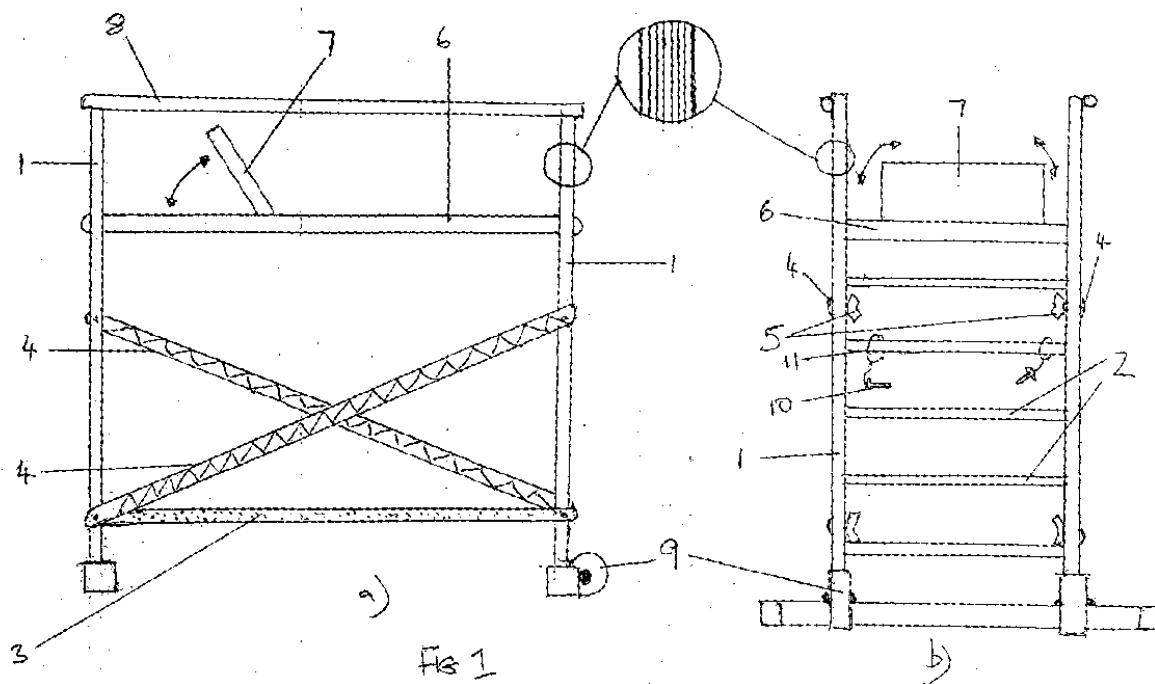
Family 39/100 - FAMPAT - ©Questel

Title

(GB2476305)

Scaffolding

Images



Publication data including kind & date

GB0922219	D0	2010-02-03	GB200922219
GB2476305	A	2011-06-22	GB2476305
GB2476305	B	2013-07-17	GB2476305



Abstract

(GB2476305)

A portable scaffolding tower kit comprising a plurality of frame pieces including at least one ladder frame piece 1; at least one diagonal brace bar 4, at least one horizontal brace bar 3, a platform 6, multiple fasteners and at least one pair of lockable castors 9, wherein the diagonal brace bars 4 are provided in a first colour and the horizontal brace bars are provided in a second colour 3 which is easily visually distinguishable from the first colour.

Inventors

AUSTIN JAMES

Latest standardized assignees - inventors removed

BPS ACCESS SOLUTIONS

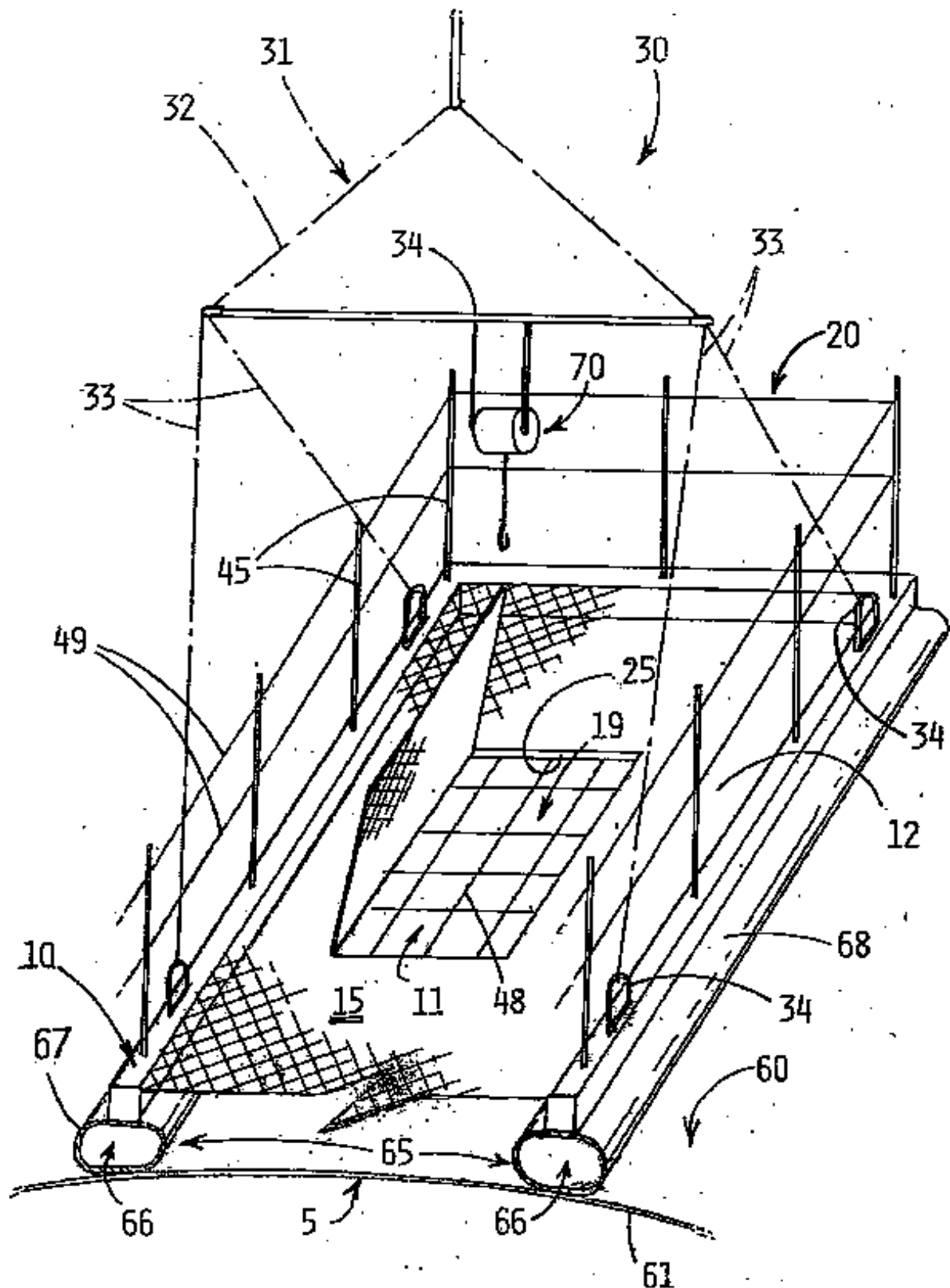
Family 40/100 - FAMPAT - ©Questel

Title

(GB2409851)

Work platform

Images



Publication data including kind & date

GB0421814	D0	2004-11-03	GB200421814
DE202005000407	U1	2005-03-24	DE202005000407
CA2482342	A1	2005-07-12	CA2482342
GB2409851	A	2005-07-13	GB2409851
GB2409851	B	2006-06-07	GB2409851



Abstract

(GB2409851)

A work platform 10 for performing work operations on a work object 5 such as the upper surface of an aircraft fuselage, railway carriage, ship deck or the like, includes an upper surface 15 for supporting a worker and for storage of work tools and materials. Included on work surface 15 is an opening/material transfer section 19, also having access means 11 in the form of a safety mesh/barrier 48. Cushion means 65, in the form of at least one flexible and gas filled compartment or bag 66 stabilises the platform when in use and prevents damage to the underlying work object. An external safety barrier 20 is provided around the periphery of the platform (comprising frame 10, upright posts 45 and rails 49), which is itself supported by cable suspension means 31, 32, 33. A lifting means 70 is provided above transfer section 19 so as to assist in the transfer of materials to/from the platform. An associated method of performing work operations utilising the platform is also disclosed.

Inventors

CUNNIFFE NIGEL JAMES

Latest standardized assignees - inventors removed

AUS STRUCT SERVICES

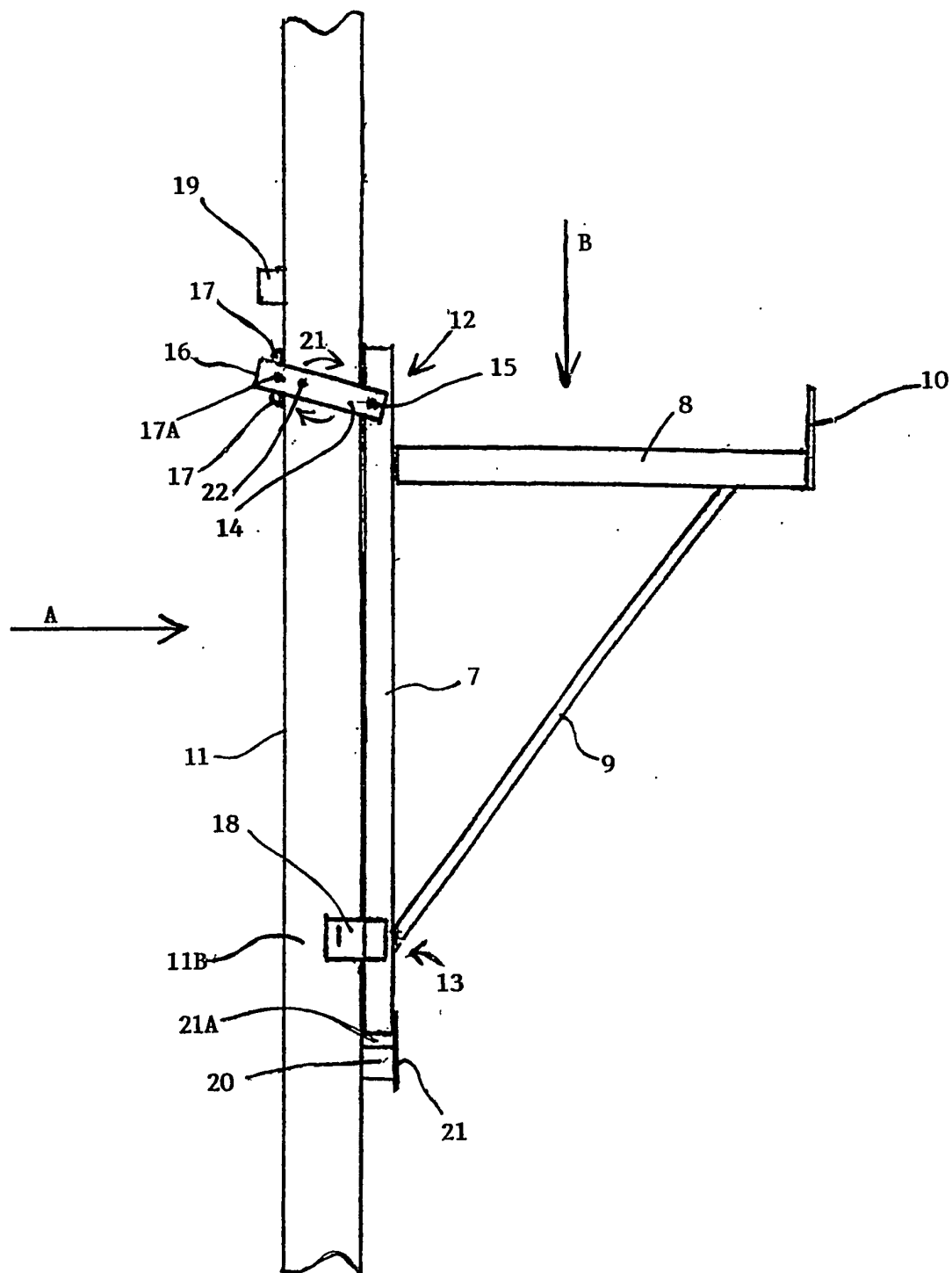
Family 41/100 - FAMPAT - ©Questel

Title

(WO200501220)

Improvements in scaffolding brackets

Images



Publication data including kind & date

AU2003903307	A0	2003-07-10	AU2003903307
WO2005/001220	A1	2005-01-06	WO200501220
CA2526944	A1	2005-01-06	CA2526944
AU2004202891	A1	2005-01-20	AU2004202891
GB0522918	D0	2005-12-21	GB200522918
GB2417753	A	2006-03-08	GB2417753
US20060243523	A1	2006-11-02	US20060243523
GB2417753	B	2006-11-29	GB2417753
NZ543432	A	2006-11-30	NZ-543432



Abstract

(WO200501220)

There is a bracket for use in building construction. The bracket has a support leg (7) with an attachment point (12) for, fixing onto a building frame component (11). The attachment point includes a gripping member (37) mounted on a pivotal linkage (14) extending from the support leg (7). In use of the bracket to carry a working load B the leg and. gripping member can be located against opposite faces of the building frame component so that the working load generates a clamping force on the component between the gripping member (17) and support leg (7) which resists movement of the bracket.

Inventors

CURTIN JAMES LAURENCE

Latest standardized assignees - inventors removed

ROPE ACCESS BUILDING SERVICES PTY

Family 42/100 - FAMPAT - ©Questel

Title

(EP1426526)

Formwork

Images

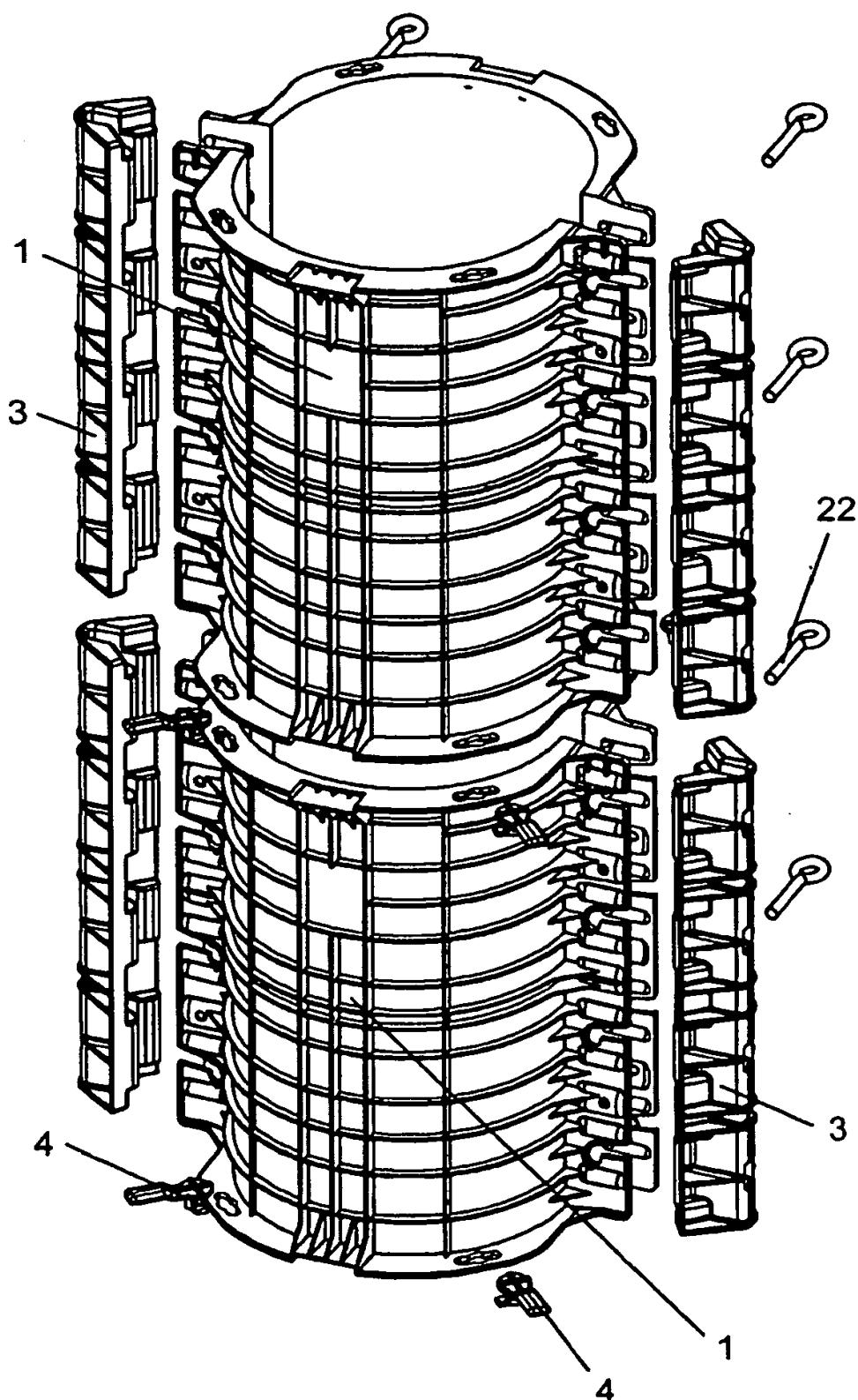


FIG.1

Publication data including kind & date

PT102875	A	2004-05-31	PT-102875
EP1426526	A2	2004-06-09	EP1426526
PT102875	B	2005-02-28	PT-102875
EP1426526	A3	2005-06-08	EP1426526



EP1426526	B1	2007-02-21	EP1426526
AT354709	T	2007-03-15	ATE354709
DE60311943	D1	2007-04-05	DE60311943
PT1426526	E	2007-05-31	PT1426526



Abstract

(EP1426526)

The present invention refers to a formwork and to the respective fixation components for construction of concrete pillars of circular or oval cross-section and support walls that are made of a rigid thermoplastic or composite material. The low density of the formwork allow its easy and inexpensive transportation inside and outside the construction site, as well as its manipulation and assembly by a single worker. The assembly of the components can be made around the steel structure that eases its use. This formwork produces a very good surface finishing of the pillar, avoiding the need of lubricating oils and reducing the finishing steps. This formwork can be disassembled after drying of the concrete and can be reused many times, which makes the ratio between unitary cost/number of times used very low.

Inventors

SILVA HERMINIO COSTA DA

RAMALHAO EMANUEL ALCINO DIAS M

JESUS LEONEL DE

SOUSA RUI PEDRO ROMERO AMANDI

REBELO ANTONIO JOAQUIM FERREIR

Latest standardized assignees - inventors removed

CIVILPLAS APLICACOES MODULARES

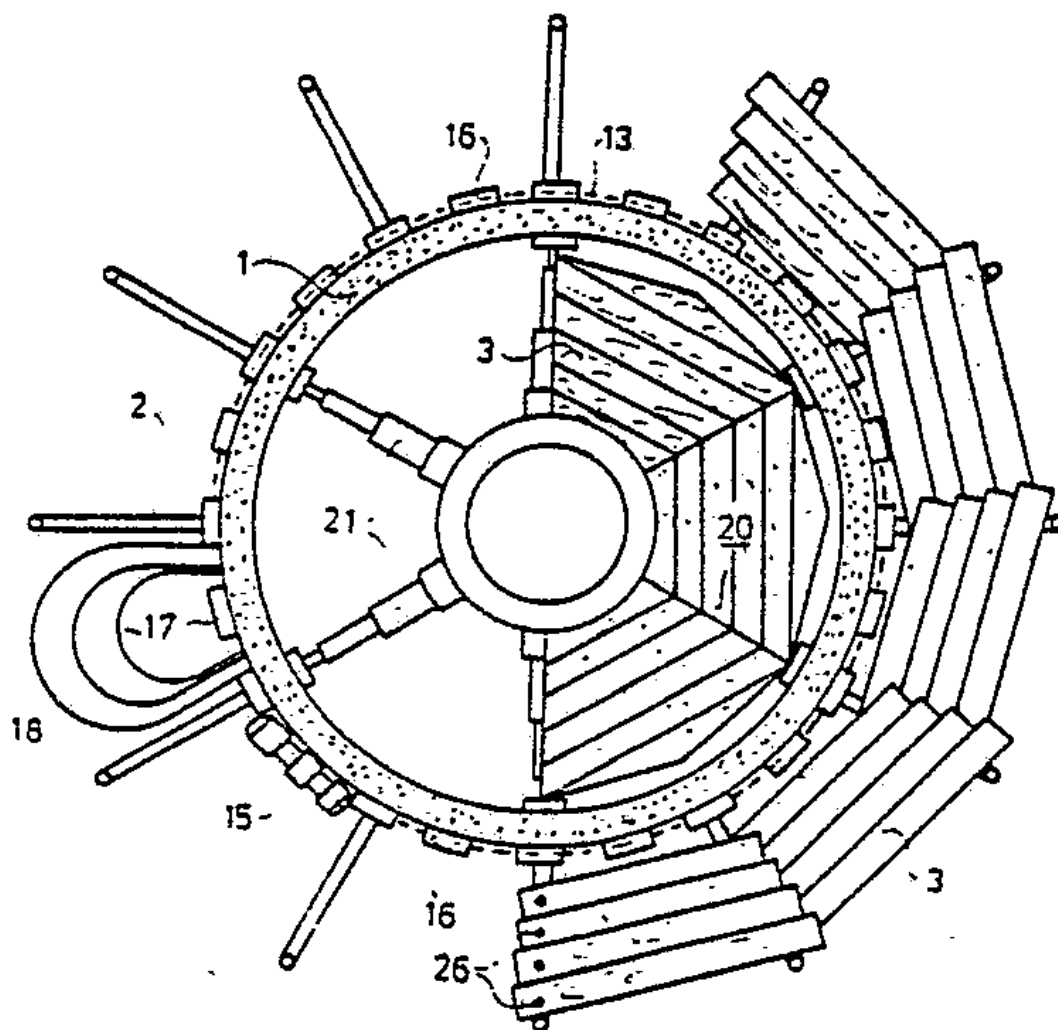
Family 43/100 - FAMPAT - ©Questel

Title

(EP-142529)

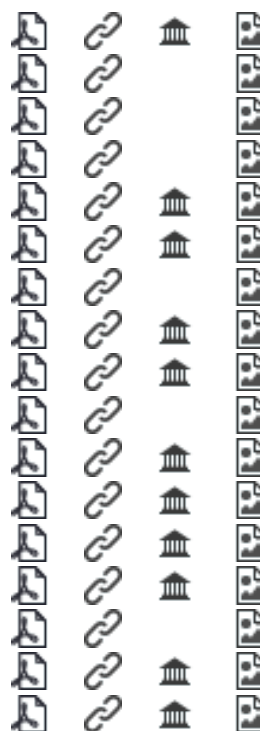
Self propelled scaffold for buildings

Images



Publication data including kind & date

WO84/04127	A1	1984-10-25	WO8404127
FI844978	A	1984-12-17	FI8404978
FI844978	A0	1984-12-17	FI8404978
FI844978	L	1984-12-17	FI8404978
NO845089	L	1984-12-18	NO-845089
DK608284	A	1984-12-18	DK8406082
DK608284	D0	1984-12-18	DK8406082
EP0142529	A1	1985-05-29	EP-142529
EP0142529	B1	1987-03-04	EP-142529
AT25733	T	1987-03-15	ATE025733
DE3462531	D1	1987-04-09	DE3462531
US4694933	A	1987-09-22	US4694933
DK153023	B	1988-06-06	DK-153023
DK153023	C	1988-10-17	DK-153023C
SU1449022	A3	1988-12-30	SU1449022
NO160871	B	1989-02-27	NO-160871
NO160871	C	1989-06-07	NO-160871



Abstract

(EP-142529)

The self propelled scaffolding is intended to be used for buildings (1) having a closed contour and has a structure and a working floor provided on a horizontal bracket (2) of the structure, the cable tensioner (15) having two clamping parts (101,

102) movable with respect to each other. According to the invention, there are provided on the structure two jaws (7) which are each joined to the outer surface (4) of the building (1) by an independent removable junction, one jaw being secured to the structure and the others (7) being secured together or with the first jaw by an element adjustable in length. The cable tensioner (15) is compact and actuated by a fluid underpressure, each clamping part (101, 102) having at least one clamping device (104) actuated by a working cylinder (105, 106; 142).

Inventors

SINKO, TIBOR

Latest standardized assignees - inventors removed

KISUZEMI INNOVACIOS IRODA H 1082 BUDAPEST HORVATH M TER 10 HUNGARY

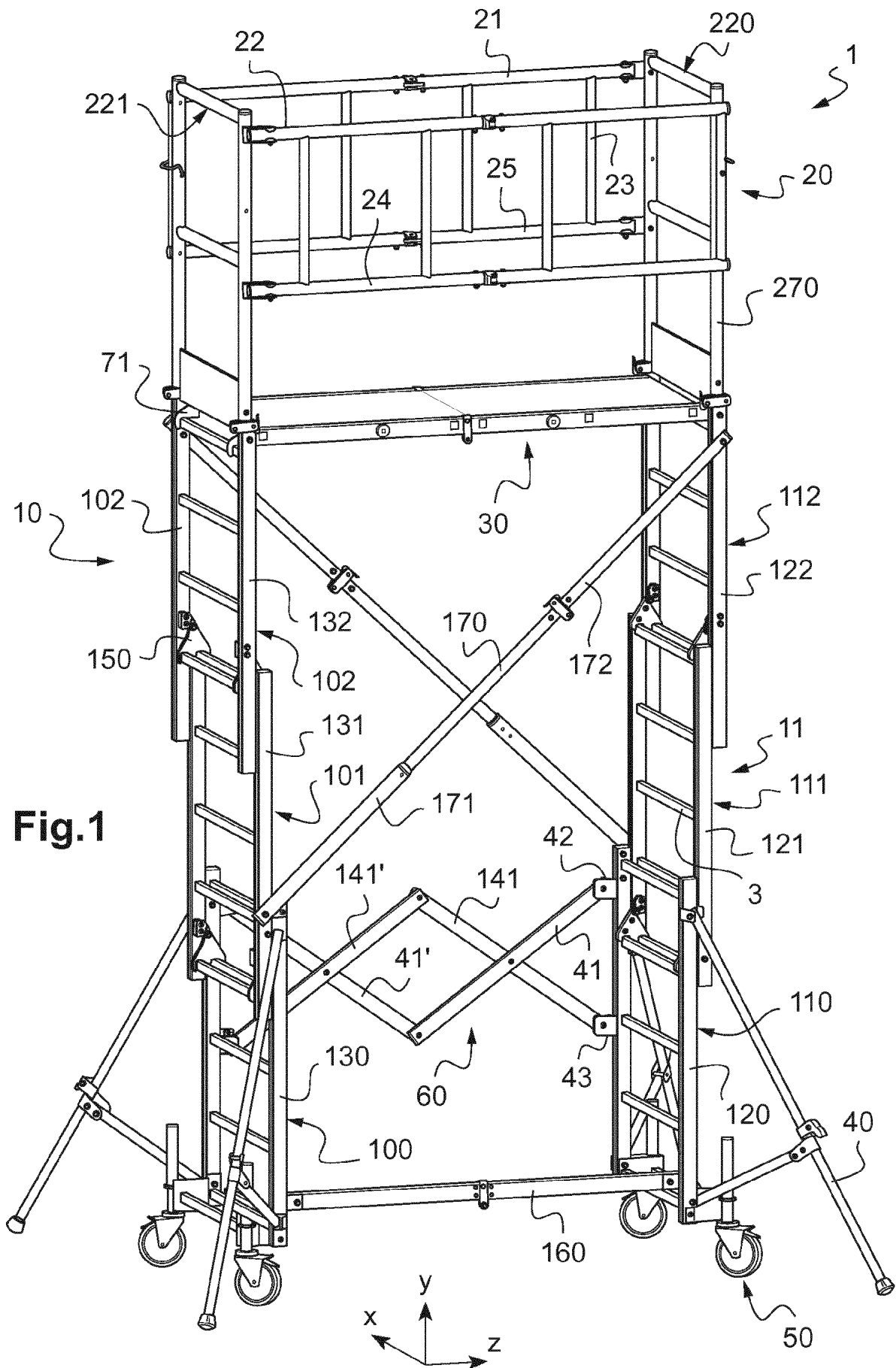
Family 44/100 - FAMPAT - ©Questel

Title

(EP3192942)

Scaffold comprising two sets of ladders kept spaced from one another by a pre-assembled collapsible base

Images

**Fig.1****Publication data including kind & date**

FR3046620	A1	2017-07-14	FR3046620
EP3192942	A1	2017-07-19	EP3192942
EP3192942	B1	2018-09-19	EP3192942
DK3192942	T3	2018-11-26	DK3192942T



	A2	2017-07-25	BR112015029074
US9976264	B2	2018-05-22	US9976264
US20180327983	A1	2018-11-15	US20180327983
JP2019007341	A	2019-01-17	JP2019007341



Abstract

(EP2999831)

A work platform system (860) for implementation in relation to a structure (100), as well as subsystems and components thereof and methods of implementation and use relating thereto, are disclosed herein. In at least one embodiment, the work platform system (860) includes a first pair of flexible elements and a second pair of flexible elements, where a respective first end of each of the flexible elements is coupled at least indirectly to a first support component (132) and a respective second end of each of the flexible elements is coupled at least indirectly to a second support component (134). The work platform system (860) can further include a plurality of panel structures supported upon the flexible elements, a suspension component, and a suspender structure coupled to at least one of the first pair of flexible elements and the second pair of flexible elements. The panel structures can include one or more support extension.

Inventors

GRUMBERG MATHIEU

SCRAFFORD ROY

MEADE FREDERICK W

Latest standardized assignees - inventors removed

SAFWAY SERVICES

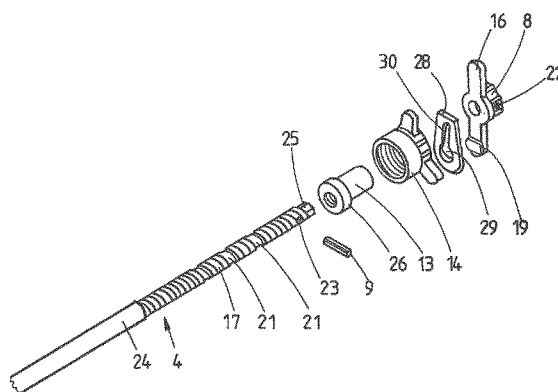
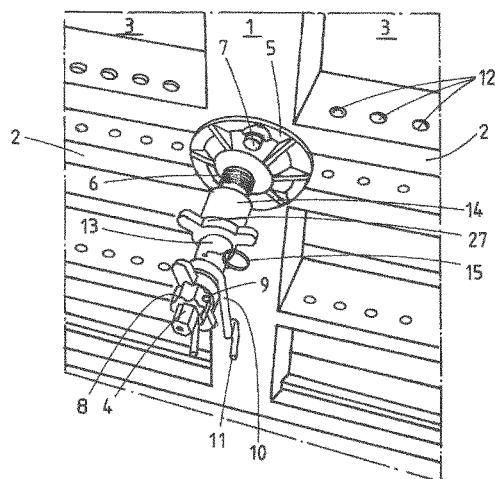
Family 46/100 - FAMPAT - ©Questel

Title

(EP3150779)

Assembly of formwork and graduated anchoring system

Images



Publication data including kind & date

WO2014/012685	A1	2014-01-23	WO201412685
WO2014/012681	A1	2014-01-23	WO201412681
DE102012212607	A1	2014-02-06	DE102012212607
EP2875193	A1	2015-05-27	EP2875193
EP2875192	A1	2015-05-27	EP2875192
US20150167330	A1	2015-06-18	US20150167330
US20150176634	A1	2015-06-25	US20150176634
EP2875193	B1	2017-01-18	EP2875193
EP2875192			



	B1	2017-03-29	EP2875192
EP3150779	A1	2017-04-05	EP3150779
US9637938	B2	2017-05-02	US9637938
US9677290	B2	2017-06-13	US9677290
ES2624437	T3	2017-07-14	ES2624437
PL2875192	T3	2017-07-31	PL2875192
EP3150779	B1	2019-07-03	EP3150779



Abstract

(EP3150779)

The invention relates to an anchoring system for a wall formwork as well as to a method for suspending the anchoring system on the rear side of a wall formwork while dismantling a wall formwork. In order to accelerate a dismantling process, an anchoring system with an anchoring rod (4) and at least one disengageable locking device is provided. The part of the anchoring system that is pulled out of wall formworks after a concrete wall has been produced comprises a suspension means for suspending on a wall formwork the part of the anchoring system that has been pulled out.

(From US9677290 B2)

Inventors

BERGER MARTIN

KLEHR VOLKER

HAGEMES KLAUS

Latest standardized assignees - inventors removed

HUENNEBECK

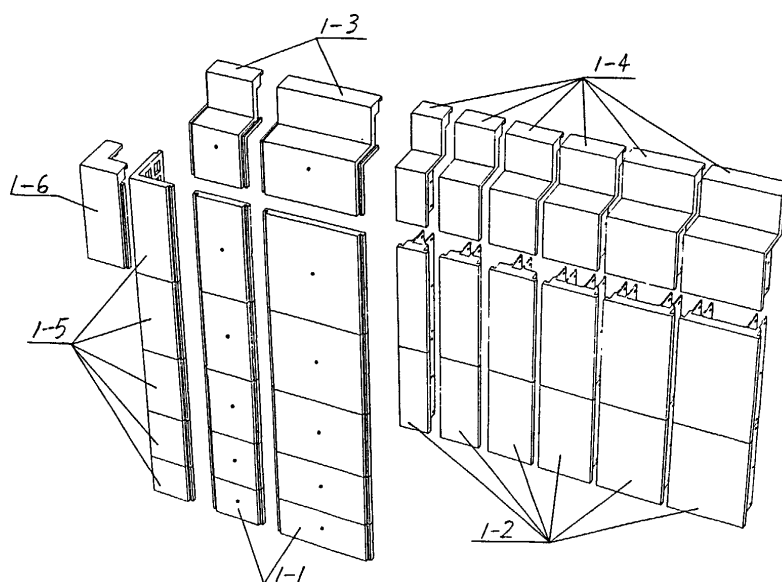
Family 47/100 - FAMPAT - ©Questel

Title

(WO200413424)

A method for pouring a building integrally and a special moulding assembly thereof

Images



Publication data including kind & date

CN1472410	A	2004-02-04	CN1472410
WO2004/013424	A1	2004-02-12	WO200413424
AU2003257781	A1	2004-02-23	AU2003257781
CN100343461	C	2007-10-17	CN100343461C



Abstract

(WO200413424)

The present invention relates to a method for pouring a building integrally and a special moulding assembly thereof. The method according to this invention includes following steps, at first assembling the special column moulds, the special beam moulds, the special wall moulds and the special floor moulds, and secondly making connection between the column moulds (3-1) and the beam moulds (2-1), the column moulds (3-1) and the wall moulds (1-1), the column moulds (3-1) and the floor moulds (1-6), the beam moulds (2-1) and the wall moulds (1-1), the beam moulds (2-1) and the floor moulds (1-16), the wall moulds (1-1) and the floor moulds (1-16), the wall moulds (1-1) and the door/window moulds (4-1), and then pouring integrally the column, the beam, the wall, the floor and the door/window. Said special moulding assembly for use in the method includes the column moulds (3-1), the beam moulds (2-1), the wall moulds (1-1), the floor moulds (1-16), the door/window moulds (4-1), the circular column moulds (5-1), the moulds for connecting the column and the beam (3-3), the moulds for connecting the wall and the door/window or the like.

Inventors

TANG JINYUAN

Family 48/100 - FAMPAT - ©Questel

Title

(DE3014212)

Mobile scaffolding and ladder components - are of size and shape permitting single handled erection, dismantling and adjustment

Images

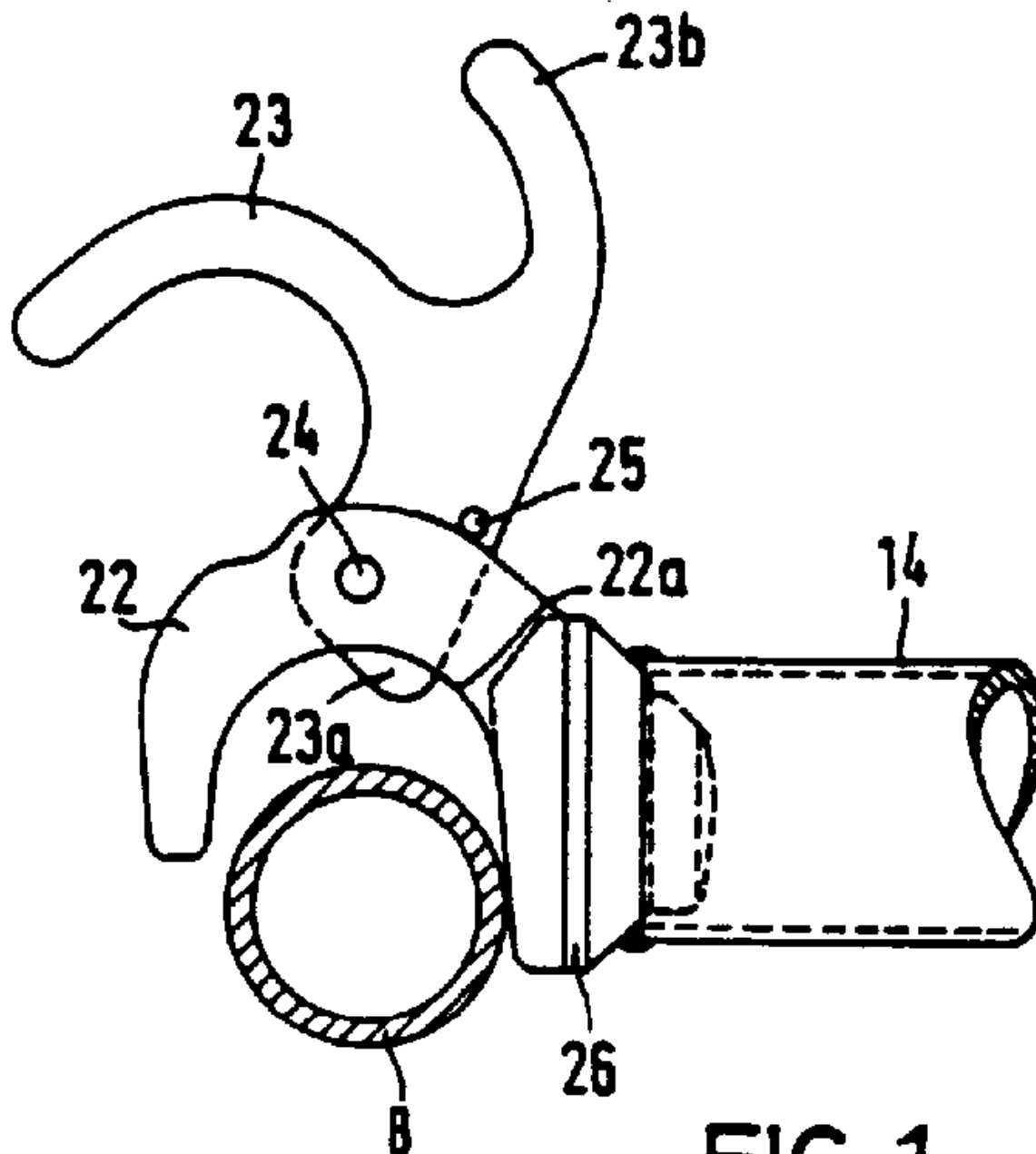


FIG. 1

Publication data including kind & date

DE3014212	A1	1981-10-15	DE3014212
DE3051156	C2	1991-05-16	DE3051156
DE3051157	C2	1991-06-20	DE3051157
DE3014212	C2	1991-07-25	DE3014212
DE3051155	C2	1993-05-19	DE3051155

**Abstract**

(DE3014212)

Two or more side ladders (1,2) one or more boards at intervals above each other, struts, cross-boards and other components, as appropriate, make up a scaffolding frame. The frame is esp. of the travelling type. All the components are held together by connecting, bolting and adjusting media, of shapes and dimensions enabling them to be erected, dismantled and activated by one person working alone. Ladders may be divided into sections, while connectors for their tubular stringers are narrow-dia. pipe sockets, fastened to the tops, for sliding into the bottoms of the next sections. Claws can connect boards and struts.

Inventors

VERZICHT DES ERFINDERS AUF NENNUNG

Latest standardized assignees - inventors removed

PLETTAC 5970 PLETTENBERG

Family 49/100 - FAMPAT - ©Questel

Title

(WO2018122721)

Formwork mechanism for casting and moulding concrete which comprises a coffer with a sheet and four plates disposed on the perimeter of the sheet

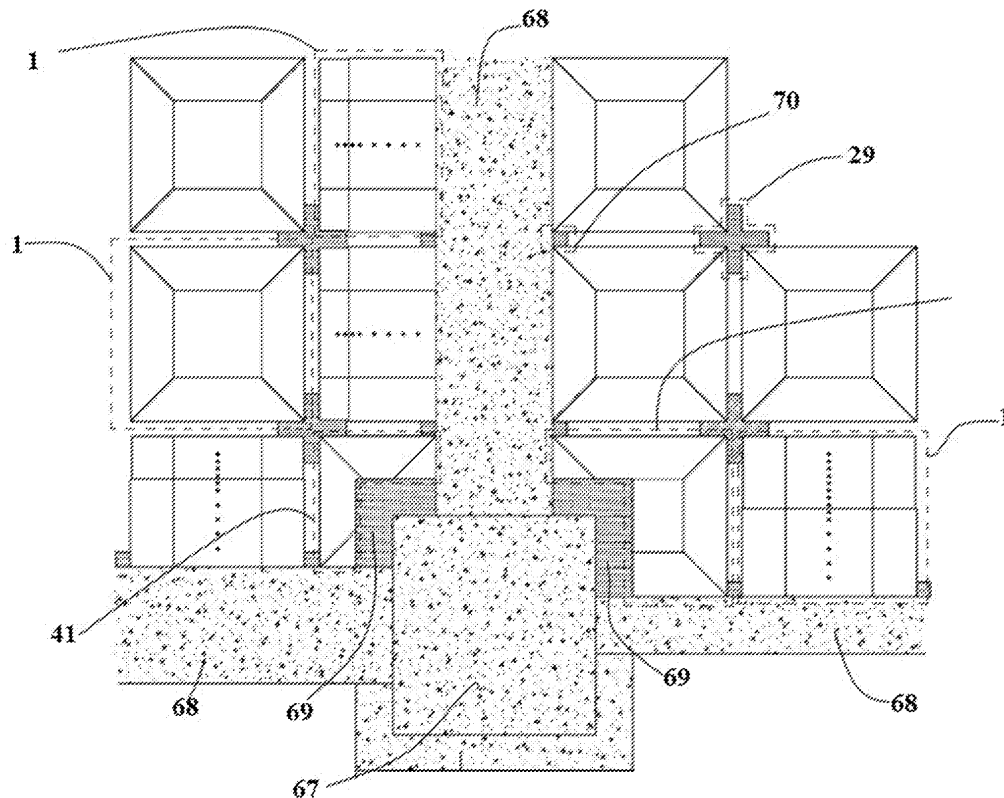
Images

FIG. 6

Publication data including kind & date

WO2018/122721	A1	2018-07-05	WO2018122721
CO2016005799	A1	2018-07-10	CO2016005799A1

**Abstract**

(WO2018122721)

The present invention relates to a formwork mechanism for casting and moulding concrete, which comprises a coffer with a sheet and four plates disposed on the perimeter of the sheet. Each plate has holes arranged on the front face thereof. The formwork mechanism also includes a structural element connected to one of the plates by attachment means. The structural element has lateral perforations that align with the holes of one of the plates of the coffer. The attachment means pass through the holes and lateral perforations. The structural element can be a beam, a three- or four-joint tee, or combinations of same. Moreover, using a plurality of coffers connected with structural elements, formworks are constructed for casting flat reticular slabs and curved reticular slabs with a slab thickness that is greater close to the beams carrying the slab than in the span of the slab.

Inventors

CLARO CARRASCAL DOMINGO DE GUZMAN

Family 50/100 - FAMPAT - ©Questel

Title

(WO2016130100)

A novel concrete molding system

Images

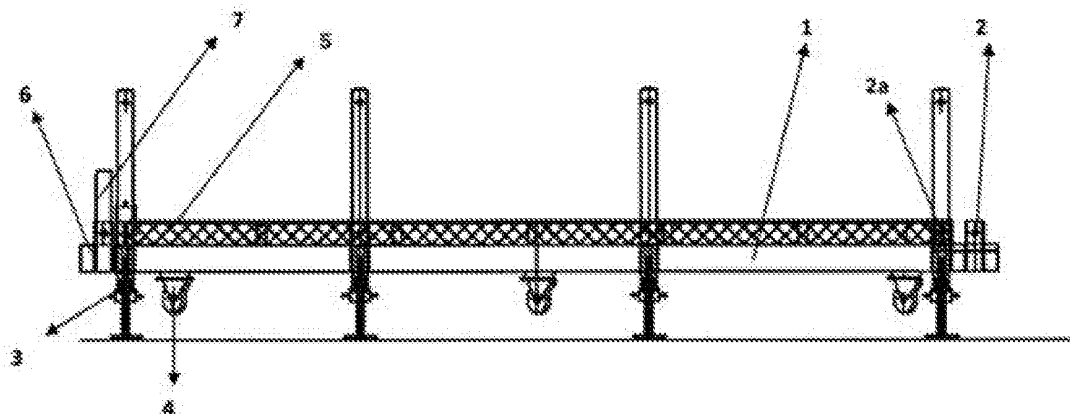


Figure 1

Publication data including kind & date

[WO2016/130100](#)

A1 2016-08-18

WO2016130100



Abstract

(WO2016130100)

This invention relates to a curtain wall, column, and floor slab molding systems that are commonly used in the construction of concrete buildings in the construction industry. With the newly developed molding system, assembly and disassembly of molds can be completed much faster, cheaper, and safer than currently present systems.

Inventors

BINAY MUSTAFA

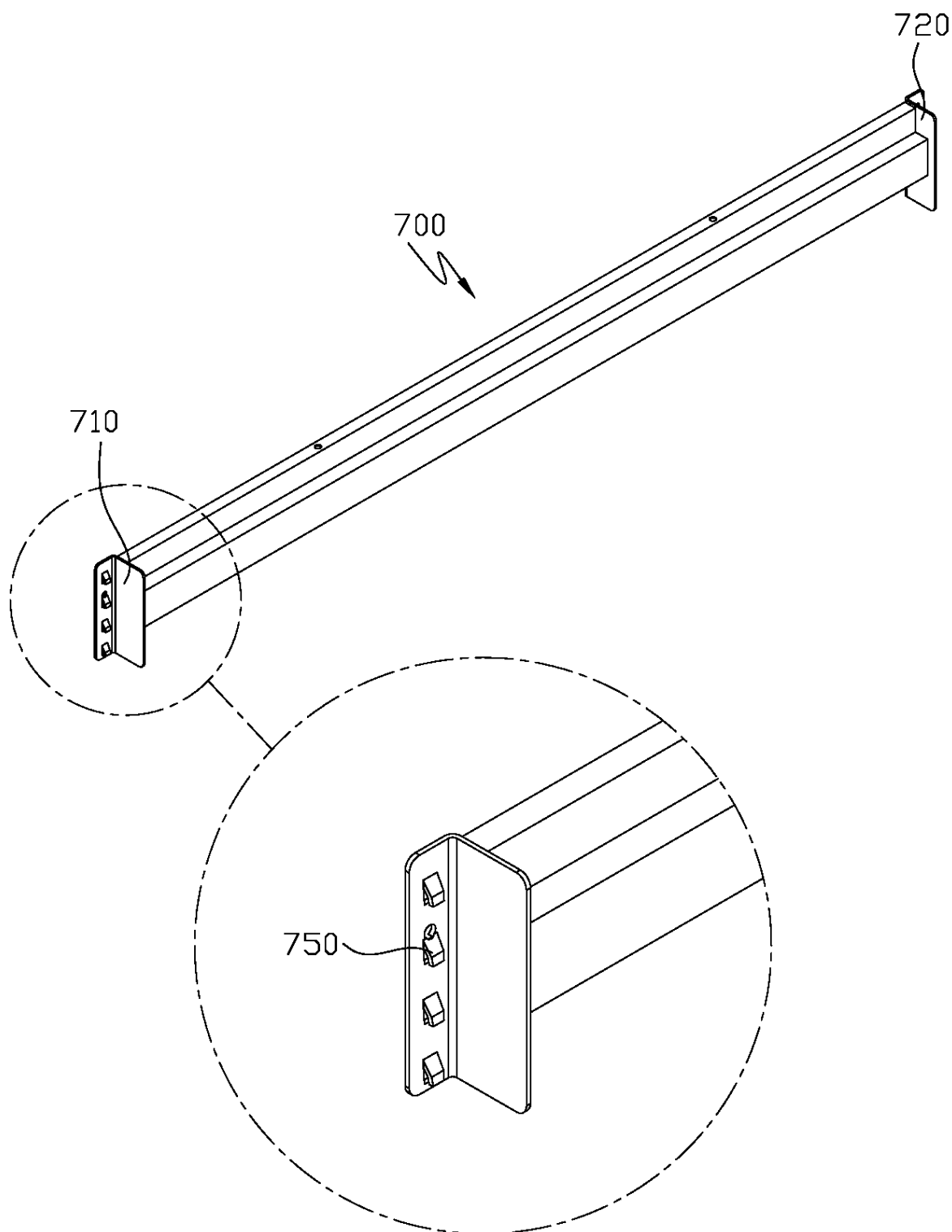
Family 51/100 - FAMPAT - ©Questel

Title

(KR101884626)

Scaffold connected by the rack method

Images

**Publication data including kind & date**[KR101884626](#)

B1 2018-08-02

KR101884626

**Abstract**

(KR101884626)

The present invention relates to an aerial work platform connected by a rack method capable of expanding easily and allowing many workers to work at the same time. The aerial work platform comprises: a ladder having a first rack pole, a second rack pole spaced apart from the first rack pole and mounted to face the first rack pole, and a horizontal member connecting the first rack pole and the second rack pole with each other; a handgrip mounted at one side of the ladder and having a bent portion formed at an upper portion; a scaffold supporting member mounted at the upper portion of the ladder; an outrigger mounted at a lower portion of the ladder; a scaffold mounted at an upper end of the scaffold supporting member to form a worker's moving path; handrails vertically mounted at both sides of the scaffold and having an upper

RU2668608	B2	2018-05-17	AU2014304378
EP3030719	C2	2018-10-02	RU2668608
JP6470285	B1	2018-12-19	EP3030719
ES2714860	B2	2019-02-13	JP6470285
	T3	2019-05-30	ES2714860

**Abstract**

(EP3030719)

Scaffolding unit to be attached to the deck structure of a bridge or similar comprises a set of arms (2) for carrying working levels and the support structures needed in work and an attachment frame (1) for attaching the set of arms to the upper surface of the deck structure. The set of arms (2) is connected to the attachment frame by means of a pivoted parallelogram (3, 6, 11, 12).

Inventors

HYVÖNEN ANTTI

SILTALA TIMO

Latest standardized assignees - inventors removed

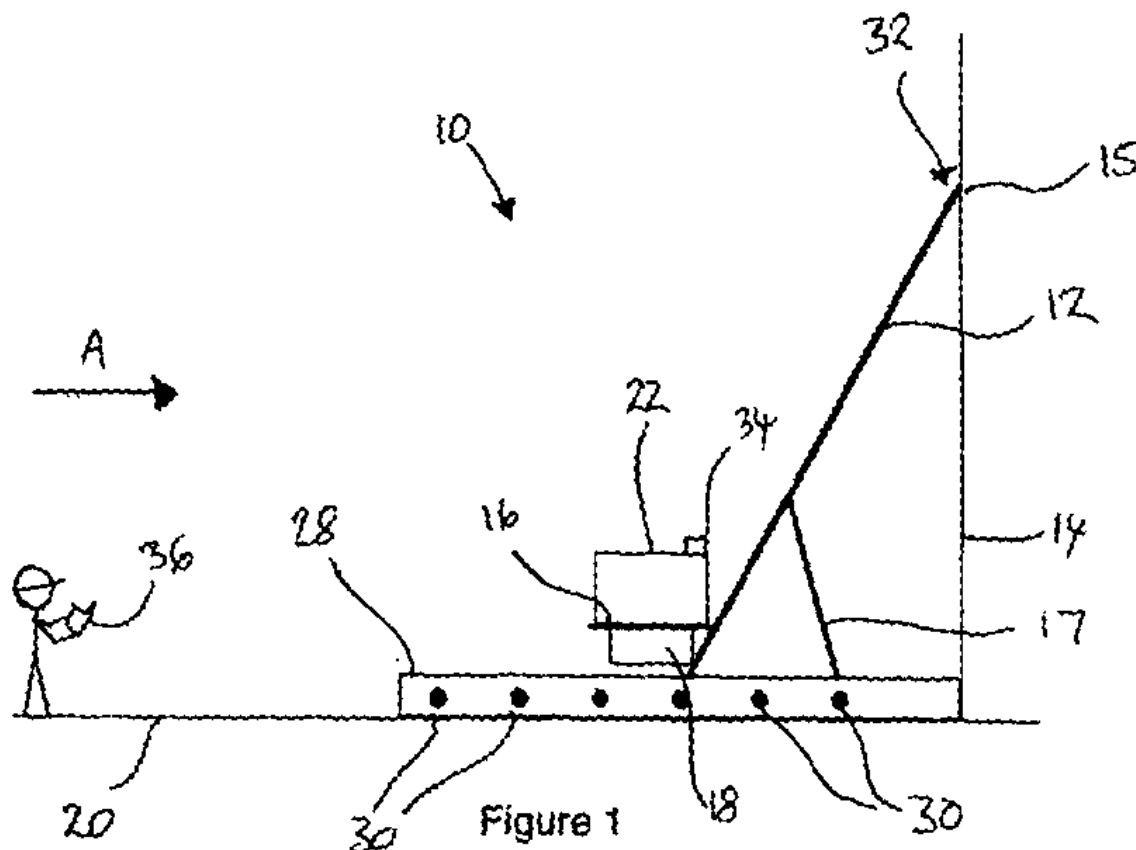
FAST BEAM

Family 53/100 - FAMPAT - ©Questel

Title

(GB2478612)

Access systems

Images**Publication data including kind & date**

GB201012607	D0	2010-09-08	GB201012607
GB2478612	A	2011-09-14	GB2478612
GB2478612	B	2012-02-22	GB2478612

**Abstract**

(GB2478612)

An access system 10 comprises a support column 12 having a base end locatable on or adjacent to the ground 20 and a platform 16, including a platform guard arrangement 22, mounted to the support column 12. The access system 10 further includes drive means 18 to move the platform 16 along the support column 12 between a first position adjacent to the base end and an elevated second position spaced from the base end. The platform guard arrangement 22 is preferably provided separately from the platform 16 and is assembled with the platform 16, when the platform 16 is on the ground 20 or mounted to the support column 12 in the first position, to form a guarded platform 16. The base member may comprise a plurality of discrete engagement locations, the base end of the support column being engageable with the base member at a selected engagement location.

Inventors

EDSCER WILLIAM GEORGE

Latest standardized assignees - inventors removed

BERSCHE ROLT

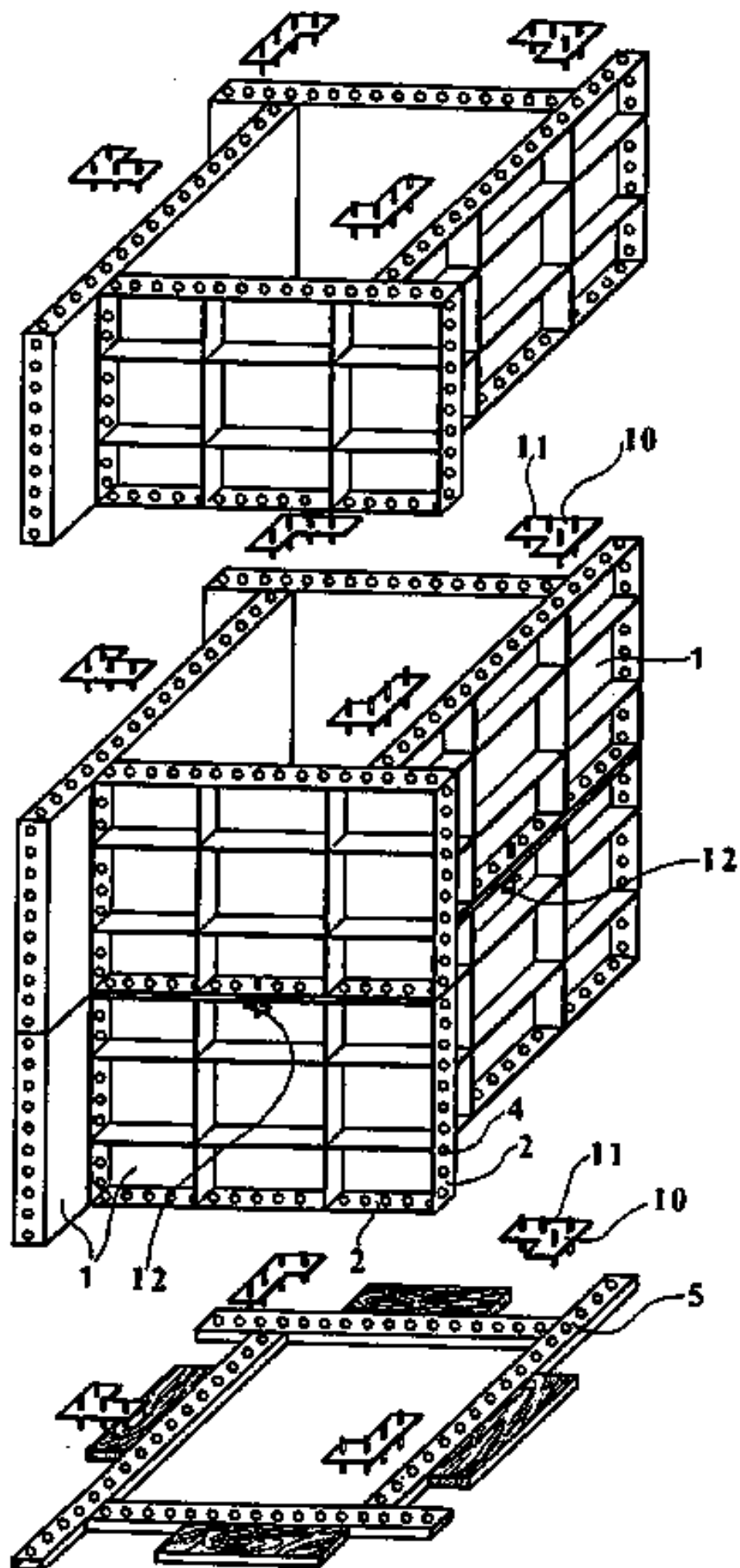
Family 54/100 - FAMPAT - ©Questel

Title

(FR2664319)

Shuttering device comprising panels, and connection pieces for assembling these panels

Images



Publication data including kind & date

DK140789	D0	1989-03-22	DK8901407
GB8906412	D0	1989-05-04	GB8906412
AU3169389	A	1989-09-28	AU8931693
DK140789	A	1989-09-29	DK8901407
GB2216584	A	1989-10-11	GB2216584
NL8900704	A	1989-10-16	NL8900704
PT90137	A	1989-11-10	PT--90137
GR880100192	A	1990-01-19	GR88100192
ES2016881	A6	1990-12-01	ES2016881
GB2216584	B	1991-10-09	GB2216584
BE1003026	A4	1991-10-29	BE1003026
FR2664319	A1	1992-01-10	FR2664319
GR1000304	B	1992-05-12	GR1000304
AU625596	B2	1992-07-16	AU-625596
CY1645	A	1992-11-06	CY---1645
PT90137	B	1994-03-31	PT--90137
CA1333955	C	1995-01-17	CA1333955
FR2664319	B1	1995-06-02	FR2664319
RU2038975	C1	1995-07-09	RU2038975
SU2038975	C1	1995-07-09	SU2038975



Abstract

(FR2664319)

The invention relates to a device comprising modular panels and means for assembling these panels in order to form shutterings for the concreting of construction elements. Each panel (1) comprises lateral edges (2) provided with holes (4) for connection elements, as well as intermediate stiffening elements between these edges. Base elements (5) are provided with similar holes in order to be joined to the edges (2) of the panels by means of connection angle brackets (10) having pins (11) which engage in the holes (4). The panels (1) which are juxtaposed or superposed in one and the same plane can be assembled by means of wedge-type anchoring elements (12). Such a device can be used for shuttering construction elements such as columns, beams, transoms and slabs. <IMAGE>

Inventors

PAFILIS CHRISTOS

PAFILIS DIMITRIS

Latest standardized assignees - inventors removed

PAFILI INT TUBULAR

Family 55/100 - FAMPAT - ©Questel

Title

(FR2119096)

Set of elements for a system and/or formwork framework.

Images

	B2	1973-12-06	DE2063126
CH551554	A	1974-07-15	CH-551554
DE2063126	C3	1974-07-25	DE2063126
CH562944	A5	1975-06-13	CH-562944
ES398190	A1	1975-07-01	ES-398190

**Inventors**

MAIER J

Latest standardized assignees - inventors removed

MAIER JOSEF

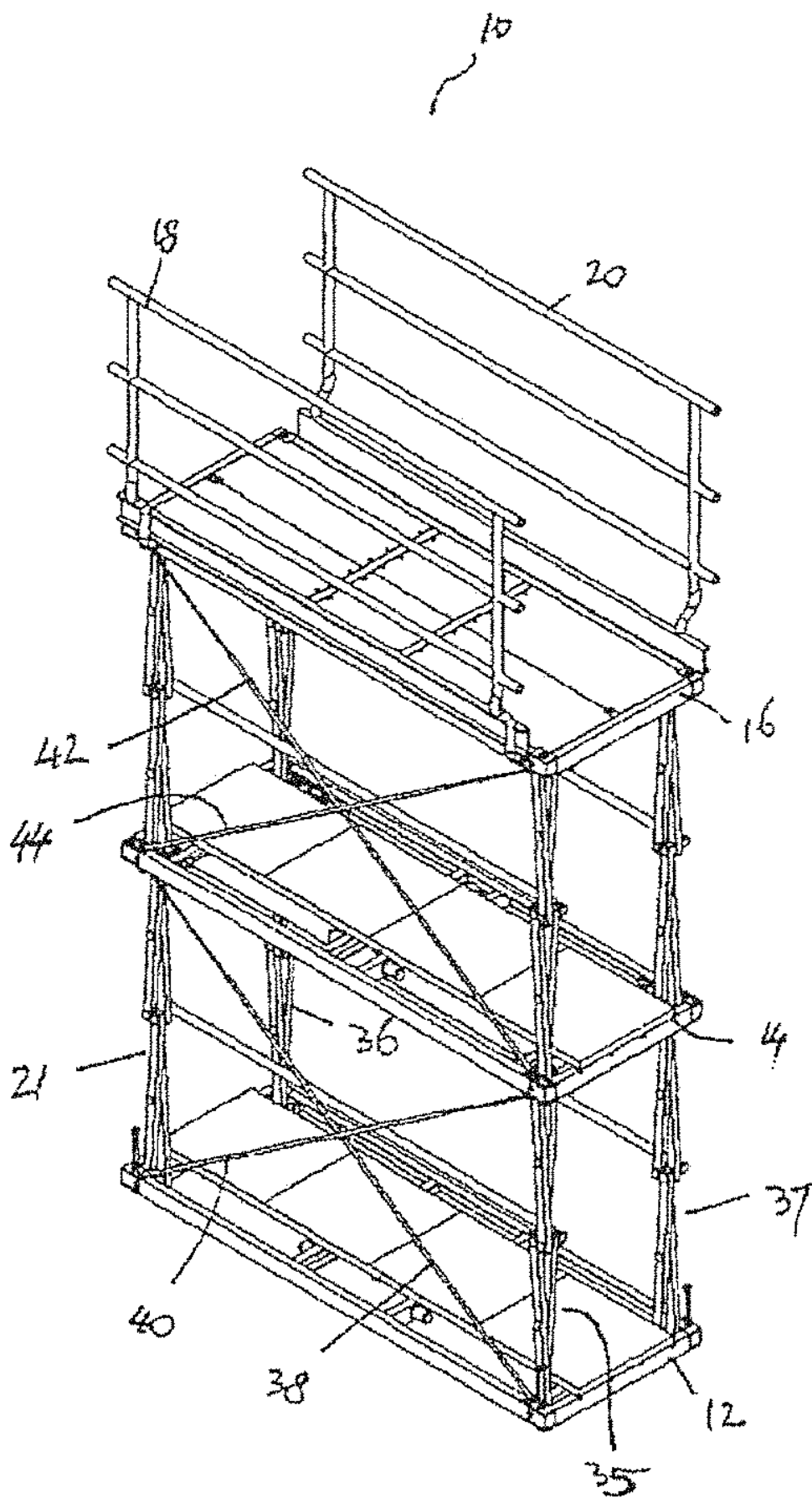
Family 56/100 - FAMPAT - ©Questel

Title

(EP3298214)

Scaffold unit

Images



CA2986458	A1	2016-11-24	CA2986458				
WO2016/183621	A1	2016-11-24	WO2016183621				
AU2016265031	A1	2017-12-14	AU2016265031				
EP3298214	A1	2018-03-28	EP3298214				
US20180119432	A1	2018-05-03	US20180119432				
EP3298214	A4	2018-12-05	EP3298214				

Abstract

(EP3298214)

ABSTRACT An extendible scaffold unit comprises at least two support platforms or two support frames (12, 14, 16), at least one of the support platforms or support frames (12, 14, 16) being movable between a lowered position and a raised position, a plurality of scissor linkages (35, 36, 37) linking one support platform or support frame (12, 14, 16) with a next support platform or support frame (12, 14, 16), each of the scissor linkages (35, 36, 37) including a plurality of legs (26, 28, 30, 32), each scissor linkage having a leg pivotally connected to or near a corner of one of the support platforms or support frames and a leg pivotally connected to or near a corner of a next support platform support frame, wherein a leg is pivotally connected at or near each corner of a support platform or support frame. By providing a leg pivotally connected at or near each corner of a support platform or support frame, the support platform or support frame is supported at or near each corner when in the raised position. This provides a stronger, more stable and more secure support to the platform/frame.

Inventors

FINLAY GREGORY

DOLJANIN PETER LAURENCE

Latest standardized assignees - inventors removed

SALITA IP

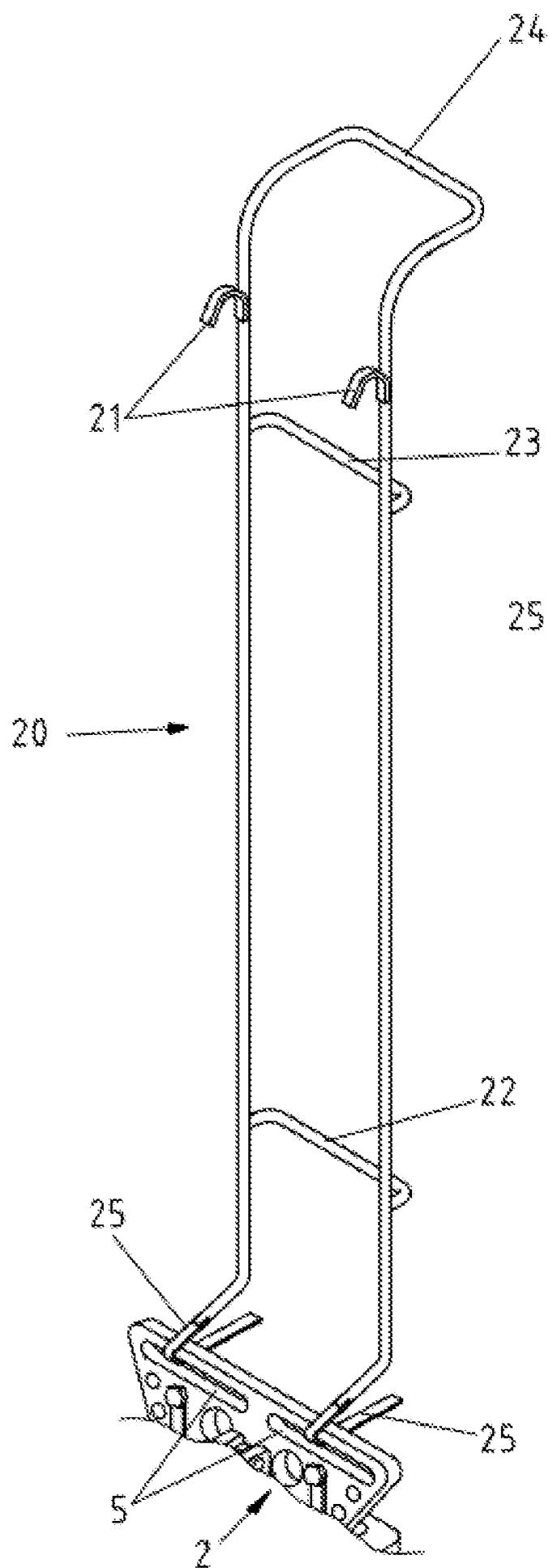
Family 57/100 - FAMPAT - ©Questel

Title

(EP3015622)

Deck for a shoring tower

Images



Publication data including kind & date

CA2910141	A1	2016-04-30	CA2910141
EP3015622	A1	2016-05-04	EP3015622
DE102014222248	A1	2016-05-04	DE102014222248
US20160123024	A1	2016-05-05	US20160123024
EP3015622	B1	2017-10-11	EP3015622
US10100538	B2	2018-10-16	US10100538

**Abstract**

(EP3015622)

The invention concerns a deck (1) for forming an accessible area in a shoring tower (26), which can be used for fabrication or reconstruction of buildings, with a lifting lock (2) for avoiding take off of the deck (1) from an intended insertion position, preferably with two insertion hooks (2) each on both front sides, characterized in that the lifting lock (2) can also at a resting deck (1) switch from a detached position into a locked position only by force of gravity and/or the lifting lock (2) can switch from the locked position into the detached position by lifting the deck (1) through engaging at the lifting lock (2). Furthermore, a further developed system comprising a separate lifting and holding tool and a deck as well as a further developed shoring tower are disclosed. A very easy and safe assembly and disassembly can thereby be achieved.

Inventors

KLEHR VOLKER

BECKER MICHAEL

FENNER JONAS

Latest standardized assignees - inventors removed

HÄ**NNEBECK

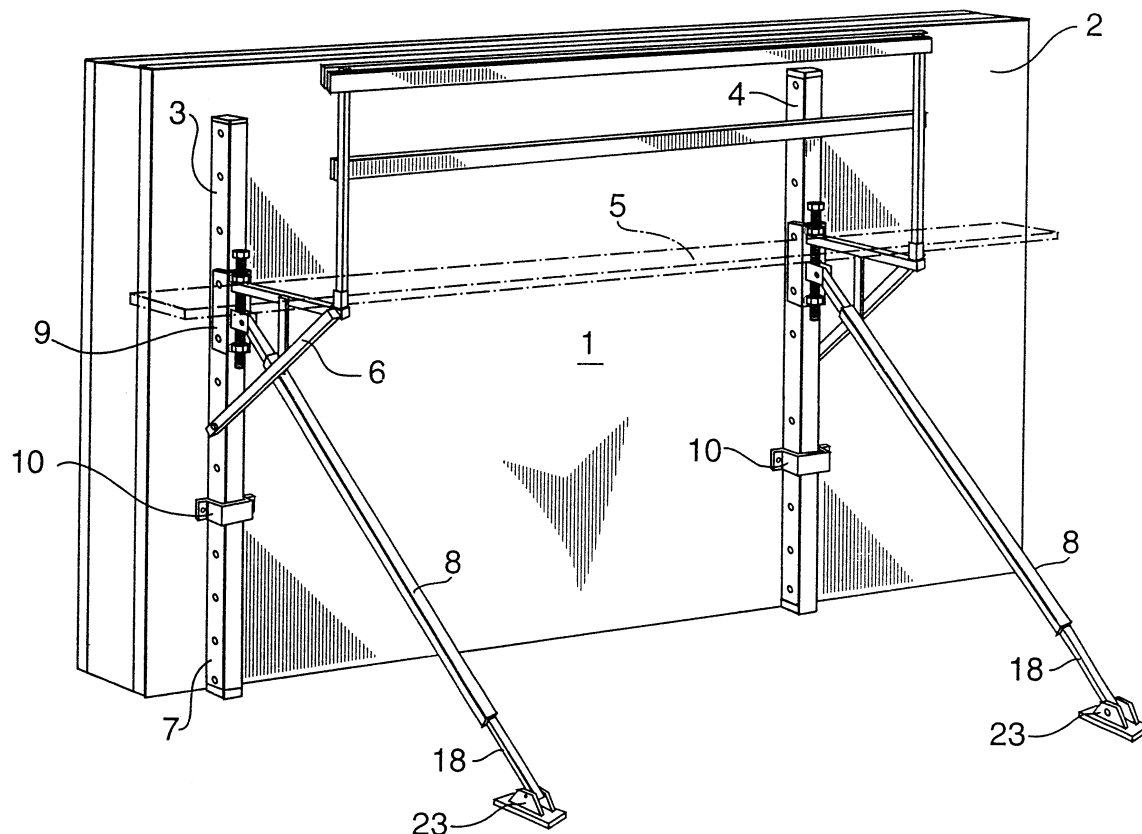
Family 58/100 - FAMPAT - ©Questel

Title

(US6446752)

Scaffolding

Images



Publication data including kind & date

CA2313513	A1	2002-01-06	CA2313513
US20020003061	A1	2002-01-10	US20020003061
US6446752	B2	2002-09-10	US6446752
CA2313513	C	2008-10-14	CA2313513



Abstract

(US6446752)

A bracing assembly for controlling the vertical orientation of an upright structure, the assembly comprising: an angle brace having first and second ends, the first end for attachment to a fixed point adjacent to the structure; and an adjustable connector for connecting the angle brace to the structure; the adjustable connector including a mounting member for attachment to the structure, a brace mount for attachment to the second end of the angle brace, and a mechanism for movably connecting the mounting member with the brace mount and selectively adjusting the position of the brace mount under load conditions and in a substantially vertical plane. The bracing assembly may form part of a walkway assembly to provide a vertically adjustable walkway from which cement may be poured into forms for making a concrete wall foundation.

Inventors

PHILIPPE MICHEL J

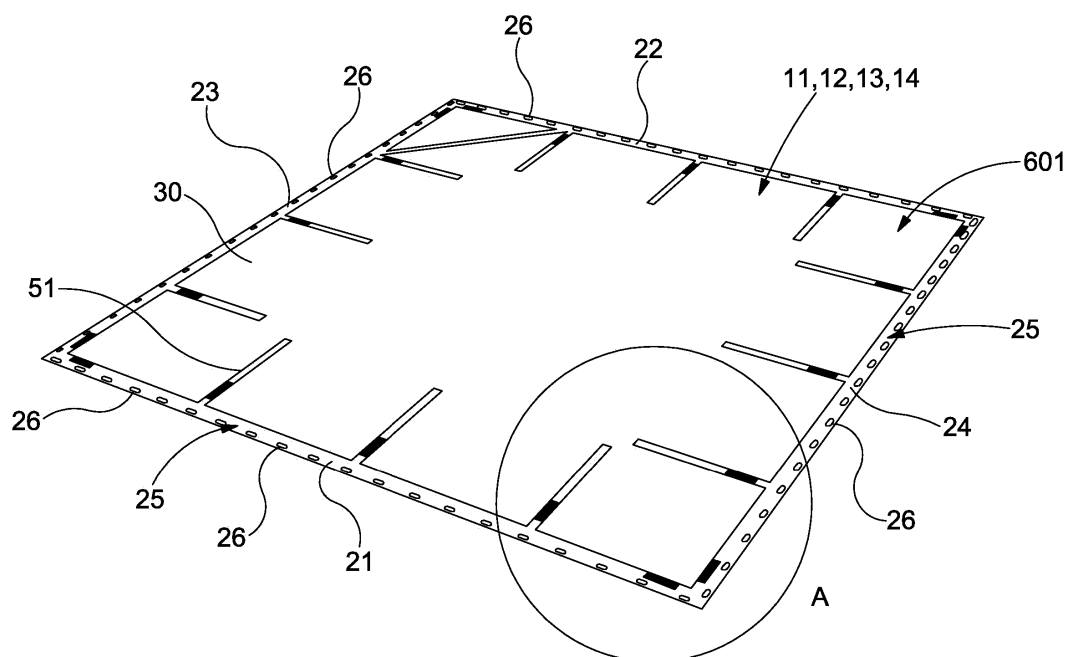
Family 59/100 - FAMPAT - ©Questel

Title

(EP3262250)

Assembly of a platform assembly and support structure and method of assembly

Images



Publication data including kind & date

GB201503002	D0	2015-04-08	GB201503002
GB2535705	A	2016-08-31	GB2535705
WO2016/135149	A1	2016-09-01	WO2016135149
EP3262250	A1	2018-01-03	EP3262250
US20180044932	A1	2018-02-15	US20180044932



Abstract

(EP3262250)

An assembly of a platform assembly and a support structure, the platform assembly comprising a flexible platform, a plurality of support straps arranged to support the platform, a plurality of clamps supported by the support structure, the plurality of clamps provided along a side of the platform and clamping a side section of the platform, and a plurality of tensioning devices attached to the support straps at attachment locations and arranged to tension the support straps, wherein the attachment locations of the tensioning devices are positionable independently of the position of the clamps, and a method of assembly. A clamp having first and second clamping members having clamping surfaces, an actuation assembly comprising an actuation member coupled to at least one clamping member such that rotation of the actuation member, about a rotational axis, in a first rotational direction rotates the first and second clamping members relative to each other, wherein for a certain rotational position of the actuation member, the actuation member is moveable in a first axial direction relative to at least one clamping member and is coupled to the at least one clamping member such that said relative movement acts to urge the clamping surfaces closer together.

Inventors

SLAVEN JOHN P

WARD PETER JOHN

Latest standardized assignees - inventors removed

SPANSET INTER

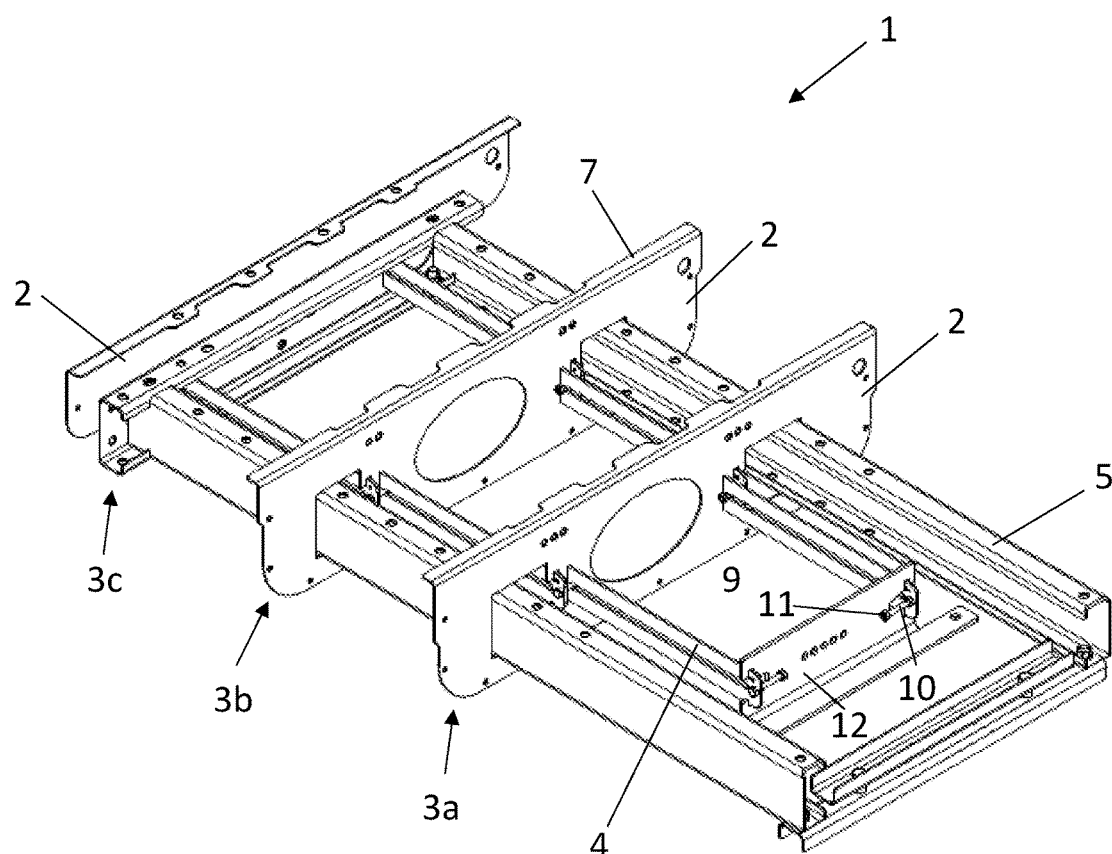
Family 60/100 - FAMPAT - ©Questel

Title

(US9822538)

Platform system

Images



Publication data including kind & date

GB201507846	D0	2015-06-17	GB201507846
GB2533178	A	2016-06-15	GB2533178
US20160326756	A1	2016-11-10	US20160326756
AU2016202898	A1	2016-11-24	AU2016202898
US9822538	B2	2017-11-21	US9822538
GB2533178	B	2018-02-14	GB2533178



Abstract

(US9822538)

A platform system includes a support structure of variable length; a platform mountable on the support structure; and a plurality of platform supports for supporting the platform. At least one of the platform supports is slideably mounted on the support structure such that it is slideable with respect to the support structure. At least one of the platform supports includes a spacing element, which extends between that platform support and an adjacent one of the platform supports and engages the adjacent platform support, such that the maximum spacing between those platform supports is limited by the spacing element.

Inventors

TAYLOR MARK

Latest standardized assignees - inventors removed

ISCHEBECK TITAN

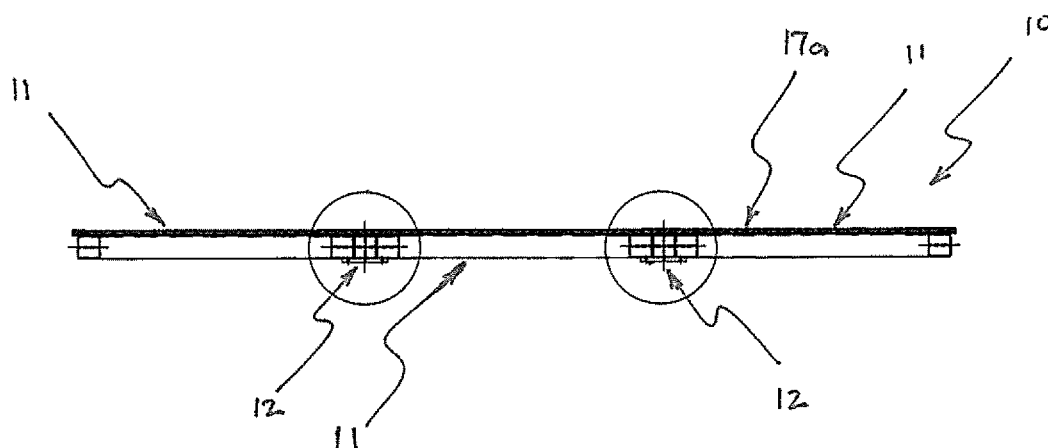
Family 61/100 - FAMPAT - ©Questel

Title

(EP3356617)

A formwork panel assembly

Images



Publication data including kind & date

CA2999778	A1	2017-04-06	CA2999778
WO2017/054028	A1	2017-04-06	WO201754028
AU2015410553	A1	2018-05-17	AU2015410553
KR20180063177	A	2018-06-11	KR20180063177
IN201817010542	A	2018-07-13	IN201817010542
VN58468	A	2018-07-25	VN--58468
CN108368705	A	2018-08-03	CN108368705
EP3356617	A1	2018-08-08	EP3356617
US20180266126	A1	2018-09-20	US20180266126
JP2018529862	A	2018-10-11	JP2018529862
EP3356617	A4	2019-06-26	EP3356617



Abstract

(EP3356617)

This disclosure relates to a formwork panel assembly to mold upwardly extending building features such as columns or walls, that extend between adjacent floor slabs. In one aspect, the formwork panel assembly comprises at least two surface forming elements, and at least one connecting element adapted for removable location between the two surface forming elements, where adjacent edges of the surface forming elements abut against the connecting element so that the resulting formwork assembly forms a single, continuous casting surface, and wherein in use, the or each connecting element is separately releasable from the formwork assembly once a concrete surface has been formed.

Inventors

ROSATI EMILIO

ROSATI WASYL

Latest standardized assignees - inventors removed

FORM 700

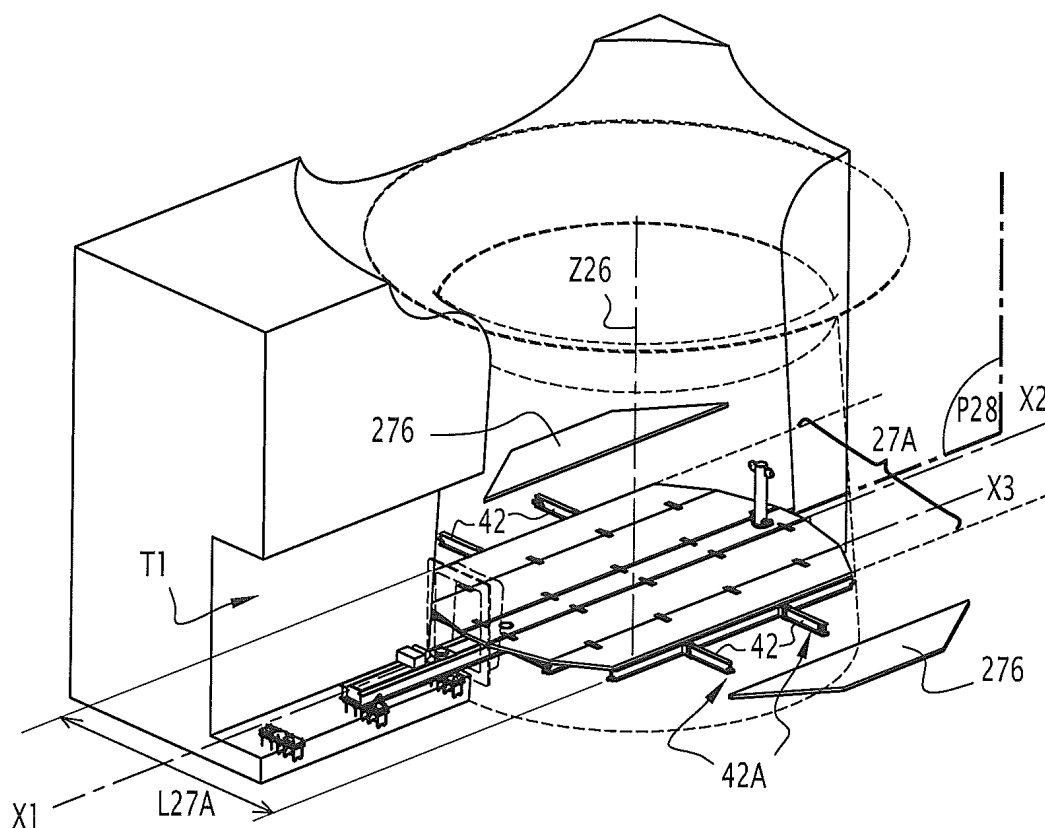
Family 62/100 - FAMPAT - ©Questel

Title

(EP2845966)

Platform for accessing a hydraulic machine and methods for installing and disassembling such a platform in a suction tube

Images



Publication data including kind & date

BR102014021965	A1	2014-09-16	BR102014021965
CA2862942	A1	2015-03-10	CA2862942
EP2845966	A1	2015-03-11	EP2845966
US20150068840	A1	2015-03-12	US20150068840
FR3010431	A1	2015-03-13	FR3010431
CN104416942	A	2015-03-18	CN104416942
BR102014021965	A2	2015-12-01	BR102014021965
FR3010431	B1	2016-01-22	FR3010431
IN2549/DEL/2014	A	2016-04-22	IN2014DE02549
RU2014136000	A	2016-05-10	RU2014136000
US9382719	B2	2016-07-05	US9382719



Abstract

(EP2845966)

This platform provides access to a hydraulic machine via a suction tube. This hydraulic machine belongs to an installation for converting hydraulic energy into mechanical or electrical energy, or reciprocally. The platform includes a load-bearing element designed to slide along a longitudinal axis (X1) in order to enter an opening in the suction tube, said load-bearing element having an extremity that is designed to be immobilized in the suction tube and floor elements (270, 272, 274) that are placed on the load-bearing element. At least some (272, 274) of the floor elements are articulated with the load-bearing element about axes (X2, X3) substantially parallel to the longitudinal axis (X1), while these floor elements (272, 274) can be rotated about these axes (X2, X3) between a folded configuration and a deployed configuration (Figure 5) and define at least a portion (27A) of a floor of the platform.

Inventors

CHABERT LUCAS

CZERWINSKI FRANCOIS

Latest standardized assignees - inventors removed

ALSTOM TECHNOLOGY

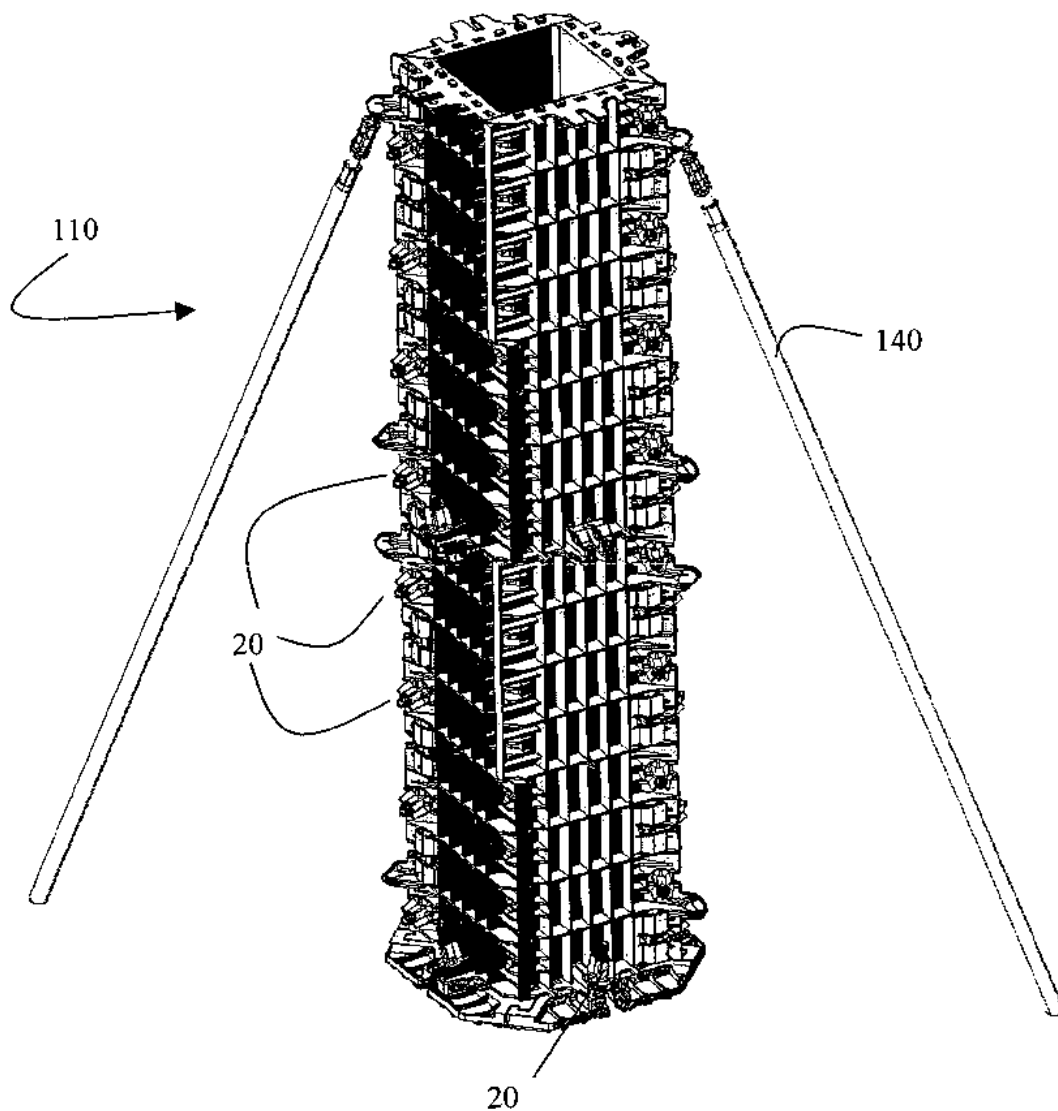
GE RENEWABLE TECHNOLOGIES

Family 63/100 - FAMPAT - ©Questel

Title

(EP1653025)

Modular formwork for the construction of walls and pillars

Images*Fig. 8***Publication data including kind & date**[EP1653025](#) A2 2006-05-03 EP1653025[EP1653025](#) A3 2008-05-14 EP1653025**Abstract**

(EP1653025)

The invention presented herewith is related to a modular formwork for the construction of walls and/or pillars in concrete, which comprises a plurality of modular elements (1,101) that form, on the inside of the formwork, a smooth surface and, on

the outside, a surface comprising reinforcing ribs (2,102), the modular elements being connected together by means of linking elements (20) and characterized in that the modular elements (1,101) comprise complementary lateral connecting sections which serve to enable the firm connection, by means of the linking elements (20), of two, laterally adjoining elements (1,101), the modular elements furthermore comprising upper and lower protrusions (8,9,108,109) which serve to enable the firm connection, by means of the linking elements (20), of two elements (1,101) adjoining vertically.

Inventors

GIANAZZA LUCA

Latest standardized assignees - inventors removed

GIANAZZA ANGELO

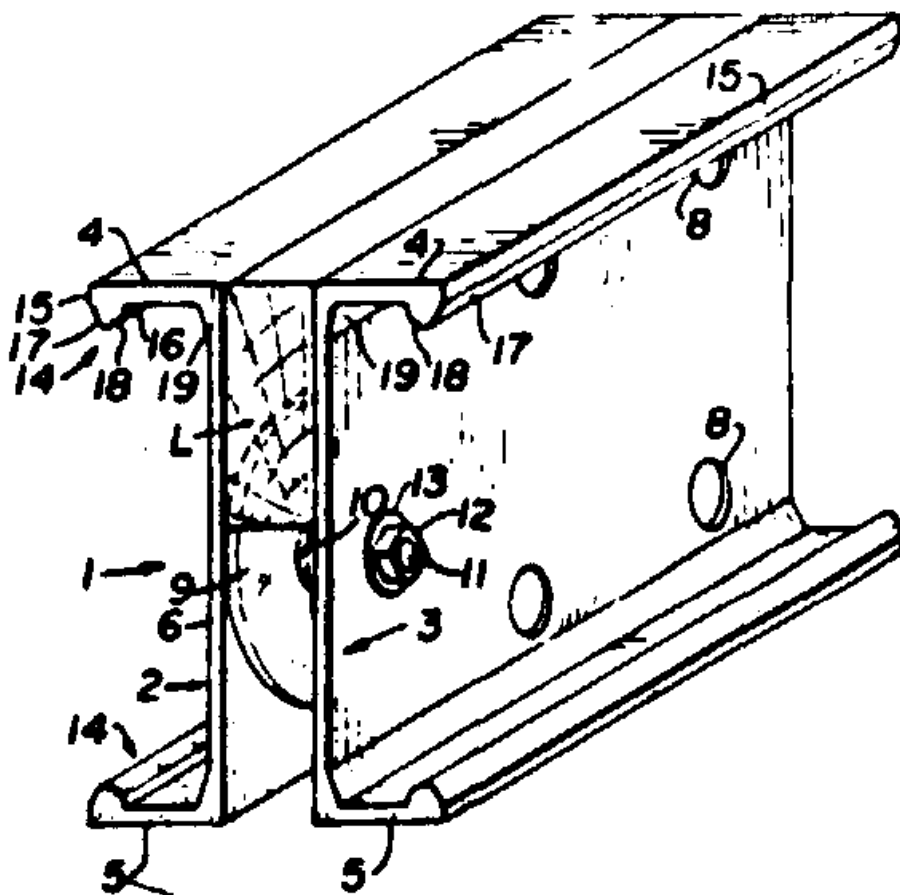
Family 64/100 - FAMPAT - ©Questel

Title

(FR2497862)

SHUTTERINGS FOR THE POURING OF CONCRETE WALLS AND METHOD OF ASSEMBLY OF

Images



Publication data including kind & date

FR2497862	A1	1982-07-16	FR2497862
GB2090900	A	1982-07-21	GB2090900
AU7942682	A	1982-07-22	AU8279426
NL8200096	A	1982-08-02	NL8200096
DE3150640	A1	1982-08-26	DE3150640
BR8200147	A	1982-11-03	BR8200147
GB2090900	B	1985-03-06	GB2090900



Abstract

(FR2497862)

A wall form comprises strongbacks (1) having stub flanges (14); beams J having stub flanges (14'); clamps C' engageable with the stub flanges of the strongbacks and beams to maintain them normal to one another; panels P secured to timber inserts in the beams; tie plates (50) secured to the stub flanges (14) of the strongbacks; and cooperating tie bolts (50) extending through the panels P to be connected to a complementary form spaced from the said form. <IMAGE>

(From GB2090900 A)

Inventors

MANDERLA HENRY J

Latest standardized assignees - inventors removed

ANTHES EQUIP

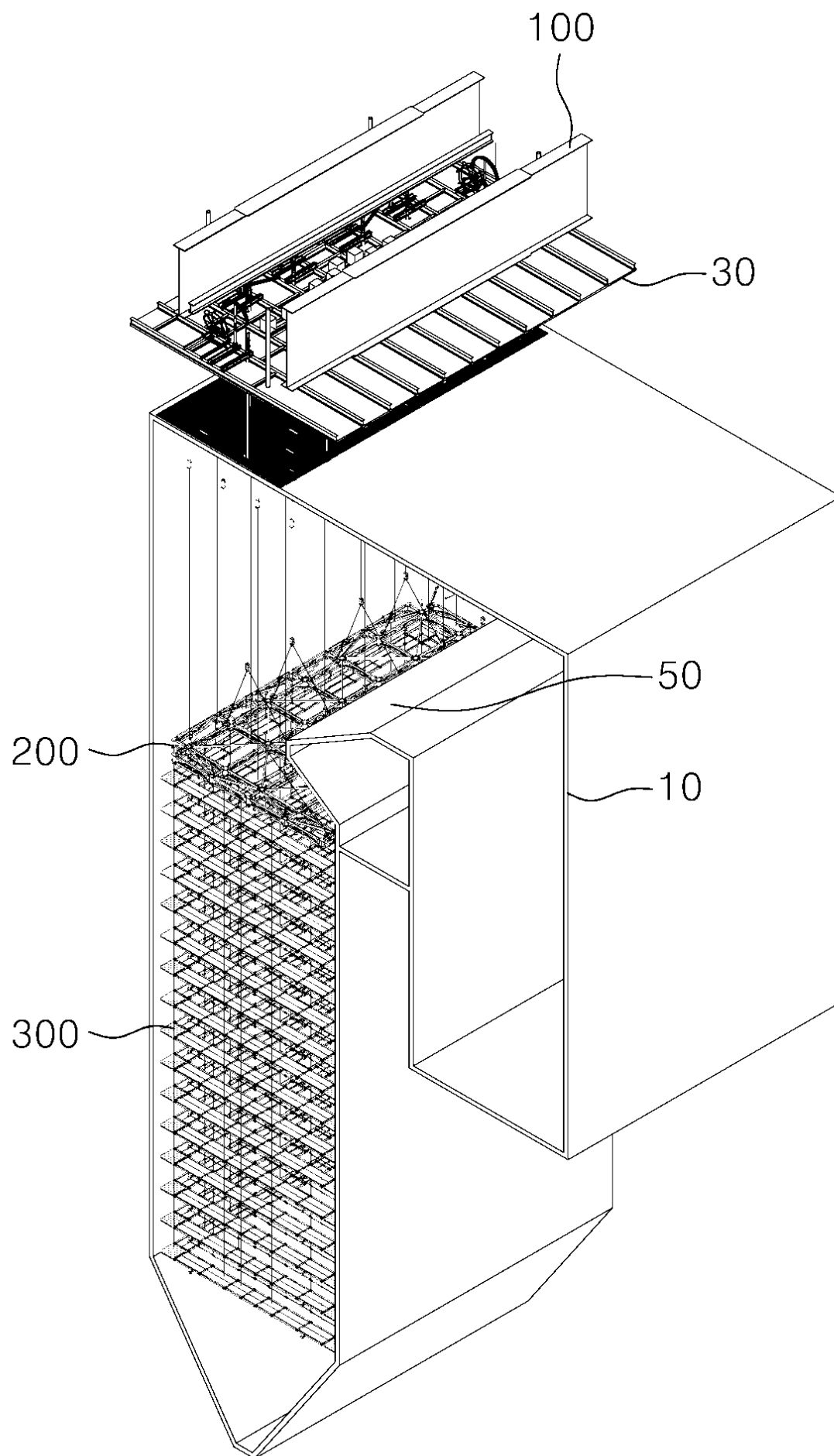
Family 65/100 - FAMPAT - ©Questel

Title

(WO2018101493)

Furnace scaffolding system for maintaining boiler and construction method therefor

Images



Abstract

(WO2018101493)

The present invention relates to a furnace scaffolding system for maintaining a boiler and a construction method therefor, the system comprising: a furnace scaffold provided so as to form a plurality of steps on the inner lateral side of the boiler; a lifting platform provided in a matrix form, and supporting the furnace scaffold by means of a plurality of lifting wire ropes; and a lifting device provided at a heavy girder part of the boiler, and lifting and supporting the lifting platform by means of a plurality of strands and a plurality of supporting wire ropes, which are inserted into the boiler, and thus the furnace scaffold for maintaining the boiler is provided by using the lifting platform so as to disperse the load of the upper and lower parts of the furnace scaffold for maintaining the boiler, thereby enabling the risk of collapse to be prevented and enabling the safety of the furnace scaffold to be improved.

Inventors

HA SEUNG-WOO

LEE TAE-HO

LEE HAE-SUNG

KIM JEONG-MIN

CHO SUN-YOUNG

YOU TAI-WOO

Latest standardized assignees - inventors removed

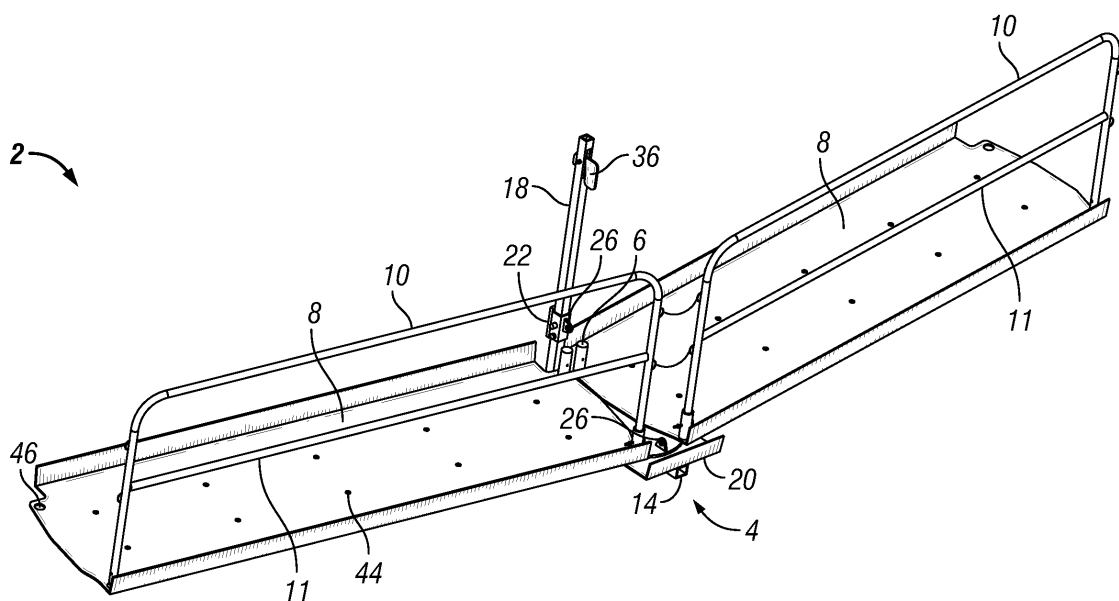
KLES

Family 66/100 - FAMPAT - ©Questel

Title

(US10053874)

Adjustable scaffolding

Images**Publication data including kind & date**[US20160237702](#)

A1 2016-08-18

US20160237702

[US10053874](#)

B2 2018-08-21

US10053874

**Abstract**

(US10053874)

An adjustable scaffolding that may adjust to the curvature of a structure. The adjustable scaffolding may comprise a main member, pegs, wing platforms, and rails. A method of use may be employed in which the main member is attached to a

structure. The pegs may be secured to the main member in any desired orientation to adjust to the curvature of a structure. Wing platforms may be placed over the pegs, allowing a user to walk along the wing platform. Railing is placed within the pegs, allowing the pegs and the railing to secure the wing platform to the main member.

Inventors

MICKAN MARK DANIEL

BLINN CHRISTOPHER ANDREW

WILLIAMS CHRISTOPHER ENNIS

SHOWAN PAUL STEVEN

Latest standardized assignees - inventors removed

TARSCO CONSTRUCTION

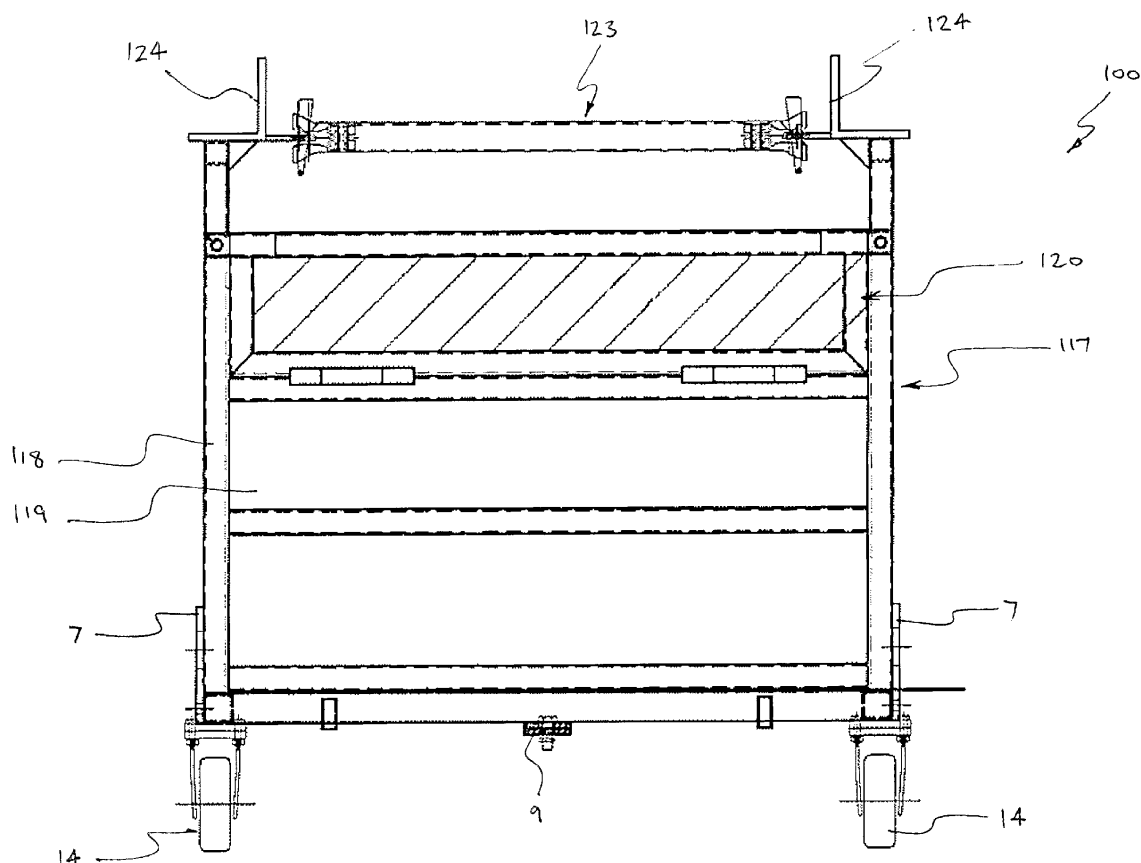
Family 67/100 - FAMPAT - ©Questel

Title

(EP3114291)

A container for framework elements

Images



Publication data including kind & date

CA2940049	A1	2015-09-11	CA2940049
WO2015/131228	A1	2015-09-11	WO2015131228
SG11201607062U	A	2016-09-29	SG11201607062U
AU2015226825	A1	2016-10-13	AU2015226825
KR20160127802	A	2016-11-04	KR20160127802
CN106103863	A	2016-11-09	CN106103863
VN50069	A	2016-12-26	VN--50069
IN201617031514	A	2017-01-06	IN201617031514
EP3114291	A1	2017-01-11	EP3114291
US20170073984	A1	2017-03-16	US20170073984



JP2017512270	A	2017-05-18	JP2017512270				
EP3114291	A4	2017-07-26	EP3114291				
RU2016137821	A	2018-04-04	RU2016137821				
RU2016137821	A3	2018-07-10	RU2016137821				
AU2015226825	B2	2018-07-26	AU2015226825				

Abstract

(EP3114291)

The present invention relates to a container for parts of a shoring or scaffold system, the container comprising at least one mounting point for at least a part of the scaffold system, wherein in use, when the part is in its in use position, at least a portion of the part is engageable with the mount, and when the part is not in use, the container is adapted to carry the part. In use, the container is multipurpose, in that it is adapted to carry scaffold parts, or serve as a platform for the scaffold. When not in use, the container is adapted to be or be stored within the footprint of the scaffold.

Inventors

ROSATI EMILIO

Latest standardized assignees - inventors removed

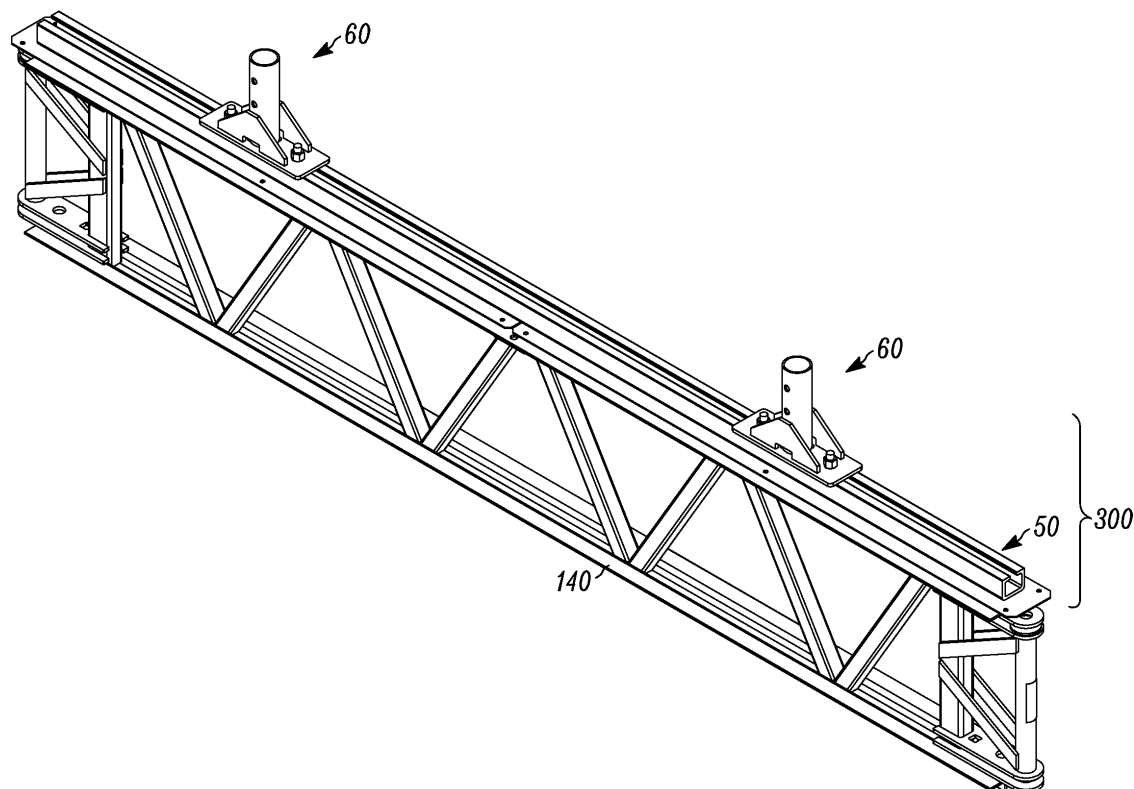
FORM 700

Family 68/100 - FAMPAT - ©Questel

Title

(US9611597)

Access structure integration assembly and integrated access systems and methods of using the same

Images**Publication data including kind & date**

US20150041252	A1	2015-02-12	US20150041252				
US9611597	B2	2017-04-04	US9611597				
US20170198484	A1	2017-07-13	US20170198484				

Abstract

(US9611597)

The invention includes an access structure integration assembly and an integrated system using the assembly. An access structure integrated assembly includes at least one channeled structure and at least one joist socket slidingly engaged with the channeled structure. The channeled structure is configured to secure to a base structure, such as a suspended work platform system, and the joist socket is configured to secure to a second structure, such as a supported work platform system. An integrated system includes a base structure, a second structure and at least two integration assemblies, each assembly including a channeled structure secured to the base structure and a joist socket secured to the second structure and slidingly engaged with the channeled structure.

Inventors

GRUMBERG MATHIEU

SCRAFFORD ROY

MEADE FREDERICK W

Latest standardized assignees - inventors removed

SAFWAY SERVICES

Family 69/100 - FAMPAT - ©Questel

Title

(WO9855715)

Panel construction use as a forming device for settable fluids in construction

Images

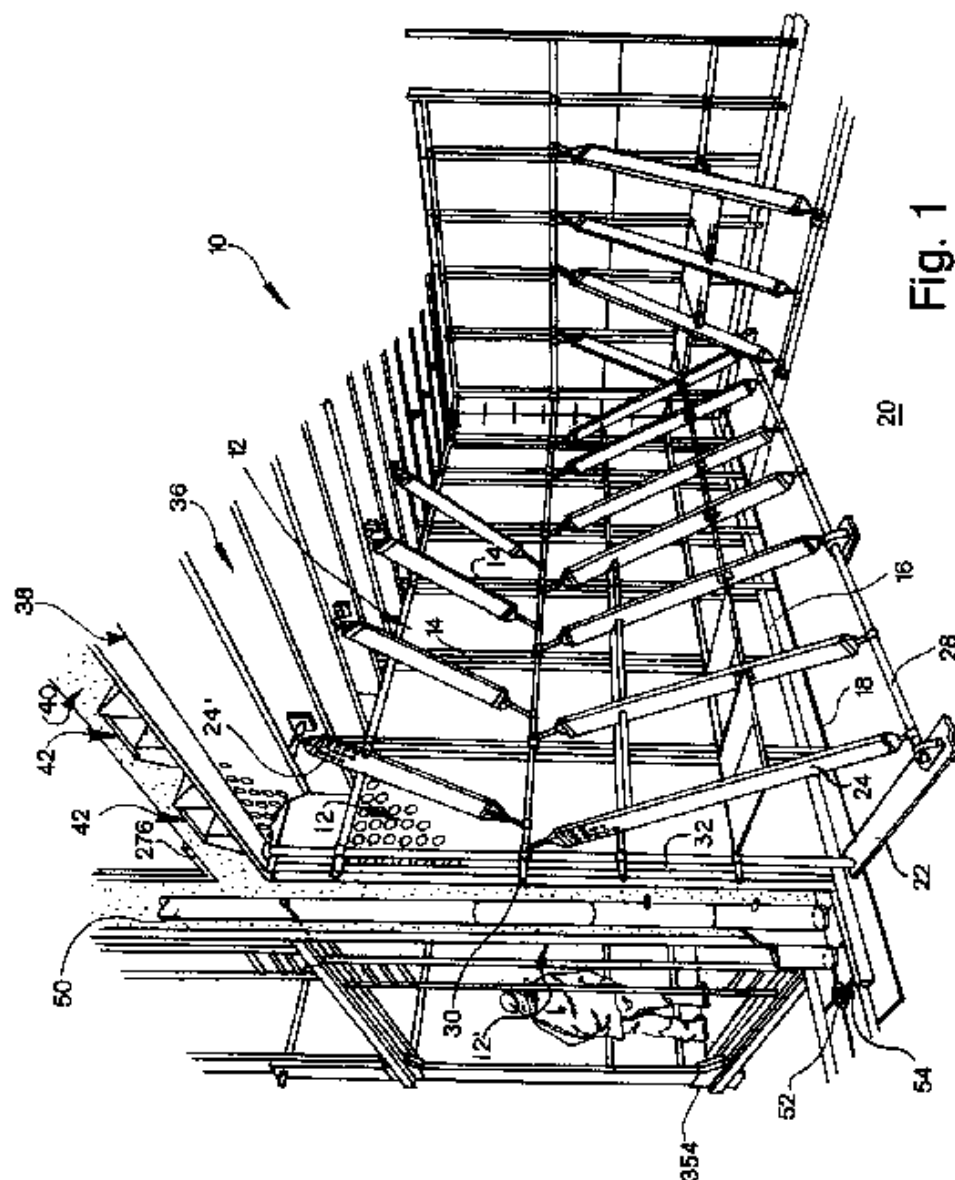


Fig. 1

Publication data including kind & date

WO98/55715	A1	1998-12-10	WO9855715
AU7723098	A	1998-12-21	AU9877230
US5930970	A	1999-08-03	US5930970

**Abstract**

(WO9855715)

In a universal, reusable system for molding concrete or other settable fluids for use in building construction, an apertured plastic panel (500) is provided for use in the framing system in which the plastic panel (500), rather than being of a honeycomb structure, includes a single face sheet (502) which serves as a pour side surface, with an array of truncated pyramids (504) having central apertures (506) extending rearwardly from the back side of the sheet.

Inventors

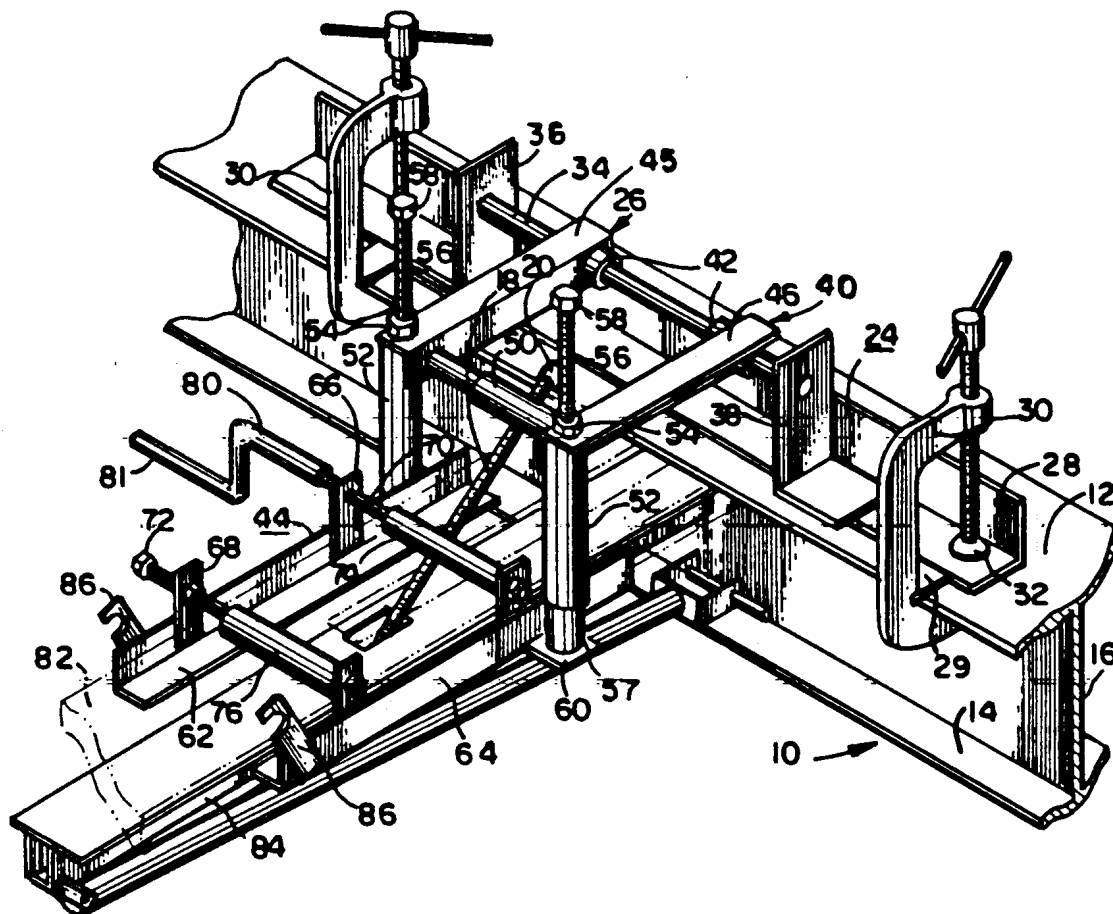
DELEFEVRE PATRICK Y

Family 70/100 - FAMPAT - ©Questel

Title

(US5005801)

Jack hanging apparatus

Images**Publication data including kind & date**[US5005801](#)

A

1991-04-09

US5005801

**Abstract**

(US5005801)

An apparatus and a method for holding, rotating and positioning a jack for the purpose of attaching said jack to one side of a structural support. The apparatus comprises a base and a holder. The base has a device to mount the base on the structural support. The holder is pivotally connected at one end to the base for displacement between a first location above said structural support and a second location at said one side. The holder has a receiver operable in a closed position to retain the jack as the holder is pivoted between said locations in order to position the jack for attachment to said one side of the structural support. The receiver is actuatable to an open position for removal of the holder from the jack after said attachment. The holder is displaceable from said second location back to said first location for removal of the apparatus from the support.

Inventors

GIARROCCO III MARTIN A

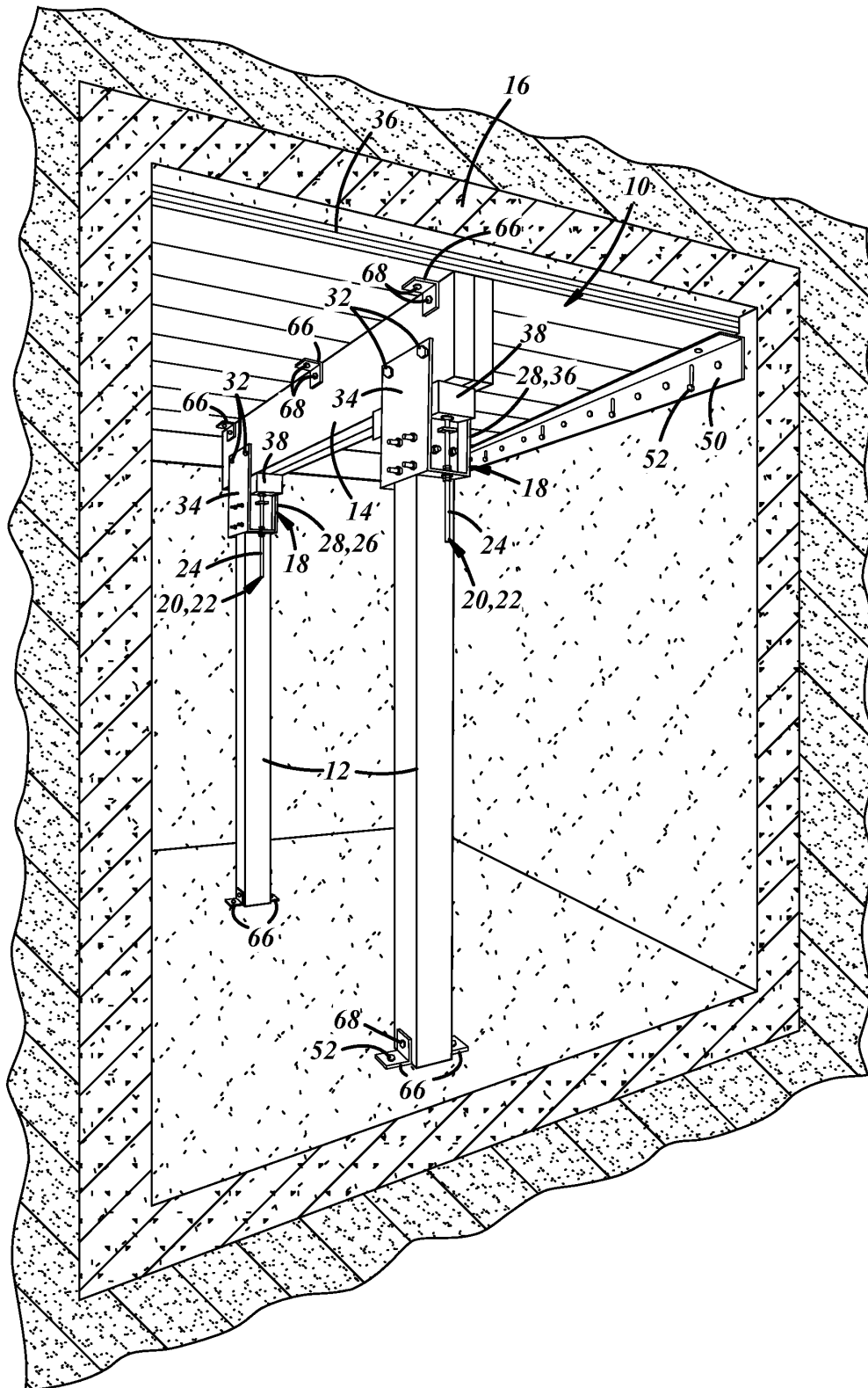
MCCARTHY KEVIN J

Family 71/100 - FAMPAT - ©Questel

Title

(US9822530)

Images



US20150267424

US9822530

Abstract

(US9822530)

A shoring assembly for utility vaults. A crossbeam member is carried by a column member and a bracket is connected between the crossbeam member and the column member. The bracket supports the crossbeam member on the column member and comprises a jack member that is extendable upward to engage and move the crossbeam member upward relative to the column member into a support position against a vault roof to be shored.

Inventors

REISDORFF ROBERT A

Latest standardized assignees - inventors removed

LAMINATED WOOD SYSTEMS SEWARD

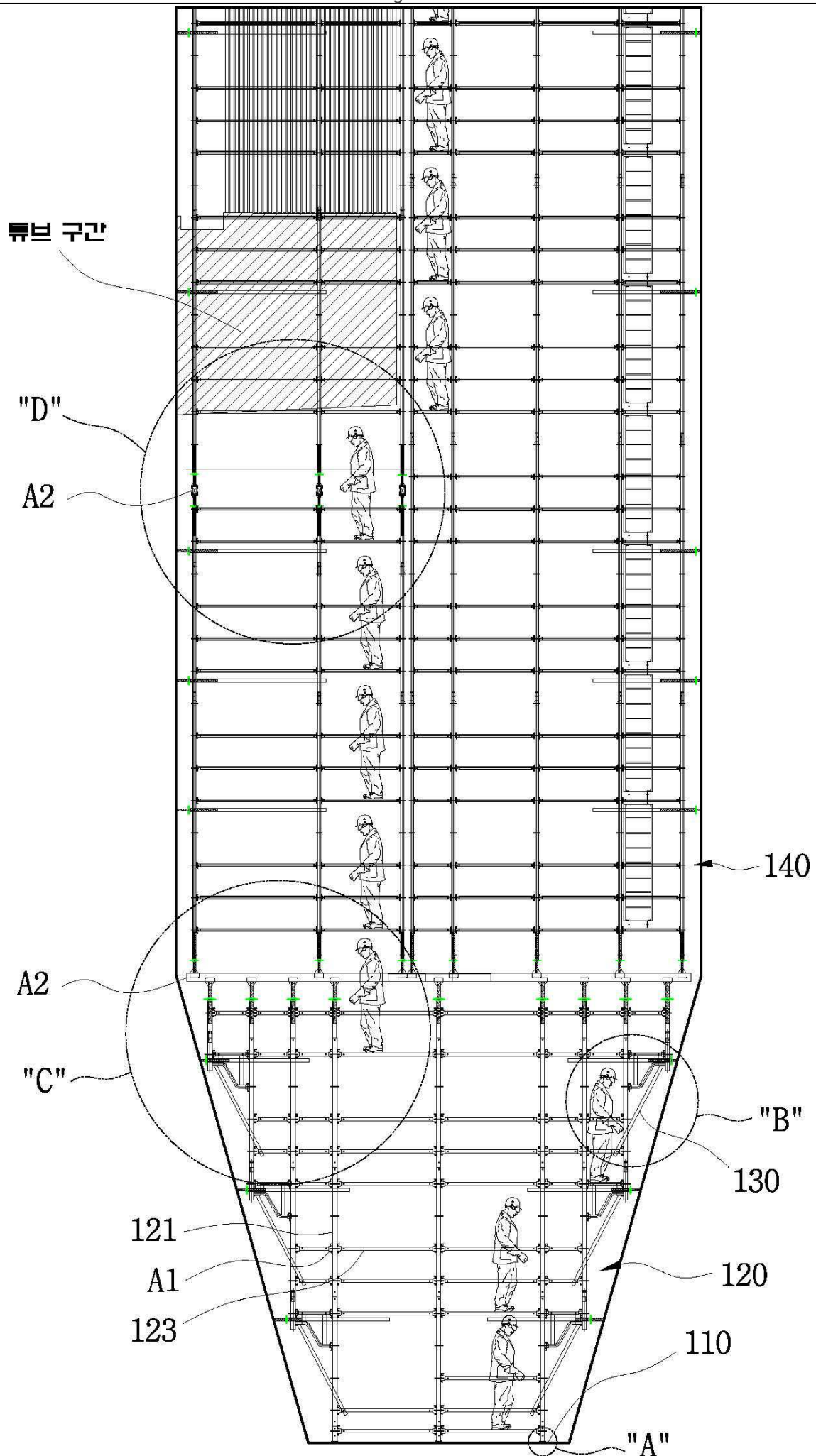
Family 72/100 - FAMPAT - ©Questel

Title

(KR101913668)

A prefabricated scaffolding device which can work aheat power plant

Images



Publication data including kind & date

KR101913668

B1 2018-10-31 KR101913668

**Abstract**

(KR101913668)

The present invention relates to a temporary structure for interior work of a boiler in a power plant. The temporary structure comprises: a floor post installing part (120) vertically expanding and mounted on the floor of a boiler in a power plant and assembling a structure using floor post materials with the purpose of supporting an upper load; an expansion part (130) expanding outwards in the horizontal direction of the floor post installing part (120) to secure a work space for a worker; and a scaffold mounting part (140) expanding on an upper side of the floor post installing part (120) in a vertical direction and assembling the structure using scaffold materials with the purpose of offering a work space and a moving line of the worker. The present invention can secure a structural stability since the floor post installing part is assembled and mounted using the floor post materials with the purpose of supporting the upper load and the scaffold mounting part is assembled and mounted using the scaffold materials with the purpose of offering a work space and a moving line of the worker.

Inventors

KO HAG MYOUNG

Latest standardized assignees - inventors removed

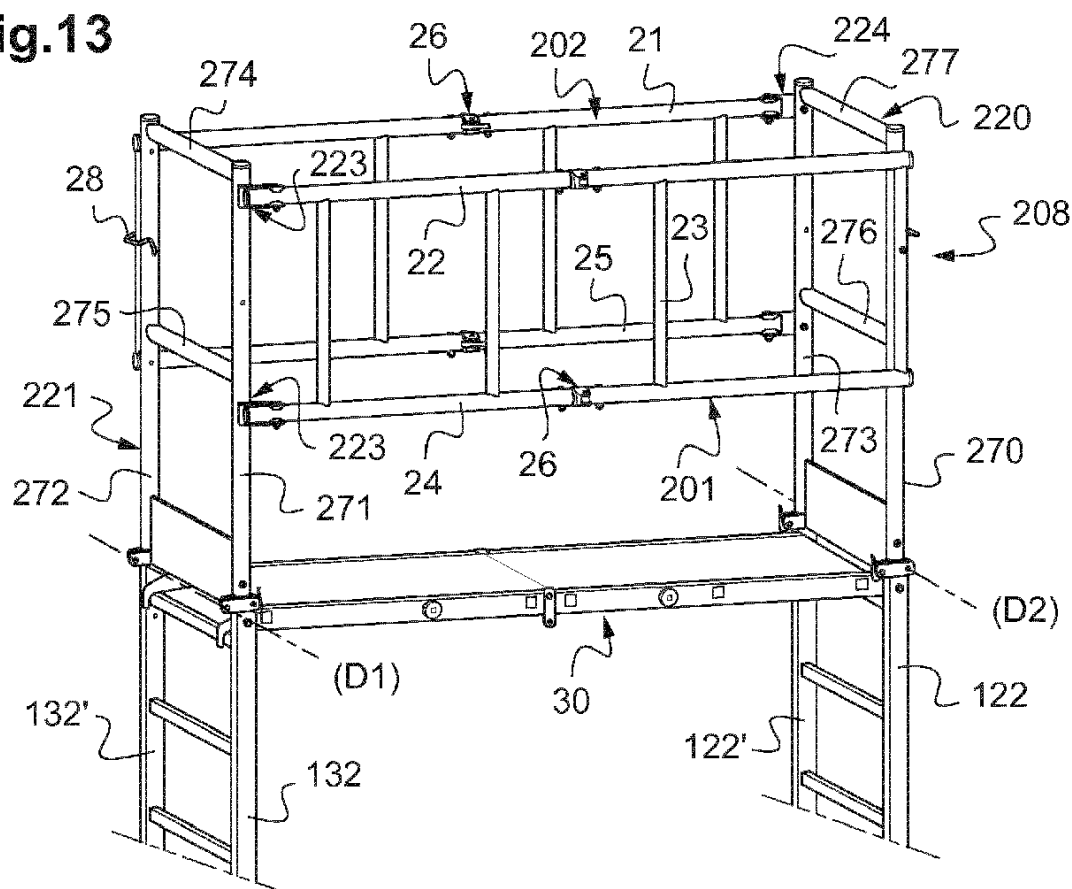
HORY KOREA

Family 73/100 - FAMPAT - ©Questel

Title

(EP3192941)

Scaffold comprising a lowerable railing

Images**Fig.13****Publication data including kind & date**

FR3046622

A1 2017-07-14 FR3046622

EP3192941

A1 2017-07-19 EP3192941



Abstract

(EP3192941)

A system for scaffolding (1) comprising a support for a tray (30) assembly and a set of railings (20), comprising two sets of scale (10, 11) facing each other, and the guard rail (20) assembly, said assembly comprising at least one post guard rails (270, 271, 272, 273) and at least an element of the type rod (272, 273) rigidly secured has a corresponding guard rail post (270, 271), and forming with said guard rail post to the frame of a guard rail, wherein the set of guard rail moves from a lowered position to a raised position, and vice versa, by a rotation of the frame of guard rail about an axis ((D1), (D2)) having a parallel to both in a plane defined by said frame of guard rail and in a plane defined by the tray assembly.

Inventors

STA ERIC

BOURGOIS XAVIER

Latest standardized assignees - inventors removed

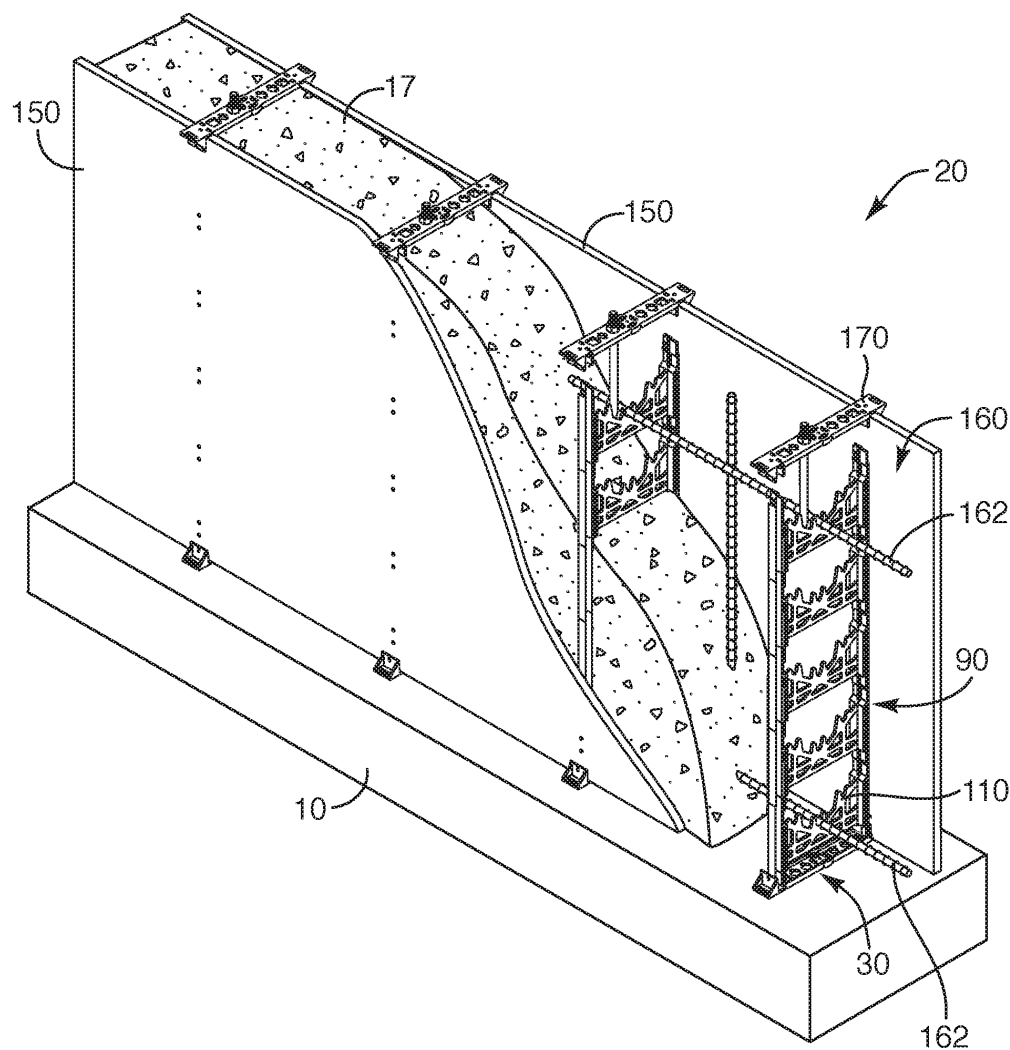
TUBESCA COMABI

Family 74/100 - FAMPAT - ©Questel

Title

(US20170121988)

Wall forming system and method thereof

Images**Publication data including kind & date**

US20160244985	A1	2016-08-25	US20160244985
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US20160281355	A1	2016-09-29	US20160281355
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[US20170121988](#)

A1 2017-05-04

US20170121988

**Abstract**

(US20170121988)

A tie system and method for forming a wall from a hardenable building material over a footing. The tie system includes multiple wall ties configured to be directly interconnected to form a wall tie stack such that multiple wall tie stacks can be positioned over the footing in a spaced apart, vertically extending arrangement. Each wall tie includes first and second planar surfaces to be directly fastened to respective first and second panel structures. In one embodiment, the tie system includes tabs for supporting multiple insulation panels positioned between the vertically extending tie stacks and between the first and second panel structures.

Inventors

MCDONAGH GREGORY M

Latest standardized assignees - inventors removed

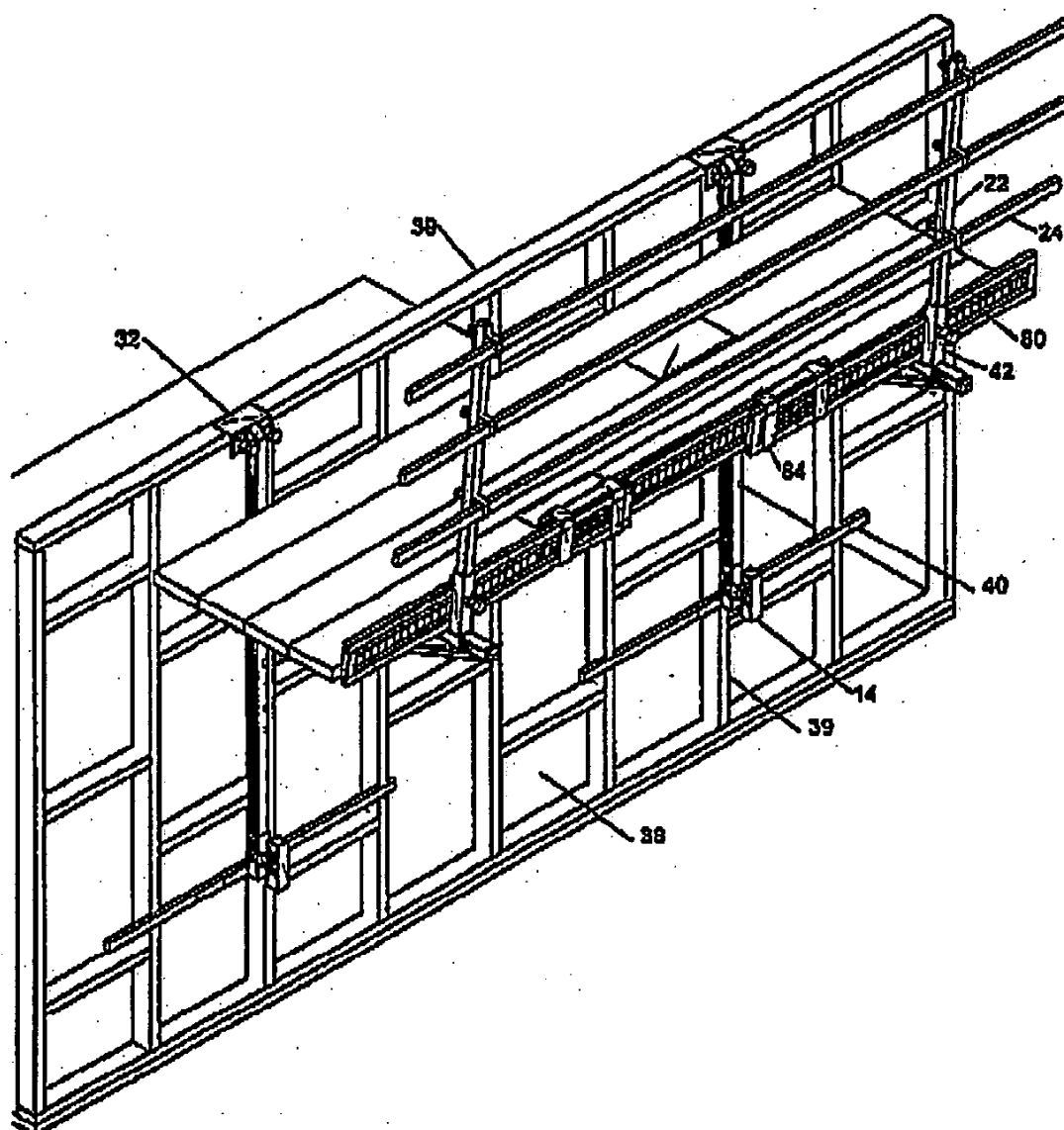
PALADIN INDUSTRY

Family 75/100 - FAMPAT - ©Questel

Title

(WO201020011)

Modular frame

Images

Publication data including kind & date

WO2010/020011	A2	2010-02-25	WO201020011				
CA2734531	A1	2010-02-25	CA2734531				
AU2009284706	A1	2010-02-25	AU2009284706				
WO2010/020011	A3	2010-05-27	WO201020011				
US20110147122	A1	2011-06-23	US20110147122				
AU2016204128	A1	2016-07-14	AU2016204128				

Abstract

(WO201020011)

The present invention provides scaffolding erection methods. One method includes considering whether to attach a scaffold frame support to a building frame from inside, and alternatively, outside the building frame wall. Another comprises attaching a load distribution member to distribute transferred load to at least two wall studs. The present invention also provides scaffolding frame members. One is arranged for connection to a top plate from inside, and alternatively, outside a building frame. Another is a load distributor arranged for distribution across at least two studs of the building frame. The present invention also provides kick board and plank joiners.

Inventors

CANHAM LUKE

HARTNETT PETER

Latest standardized assignees - inventors removed

LC INDUSTRY

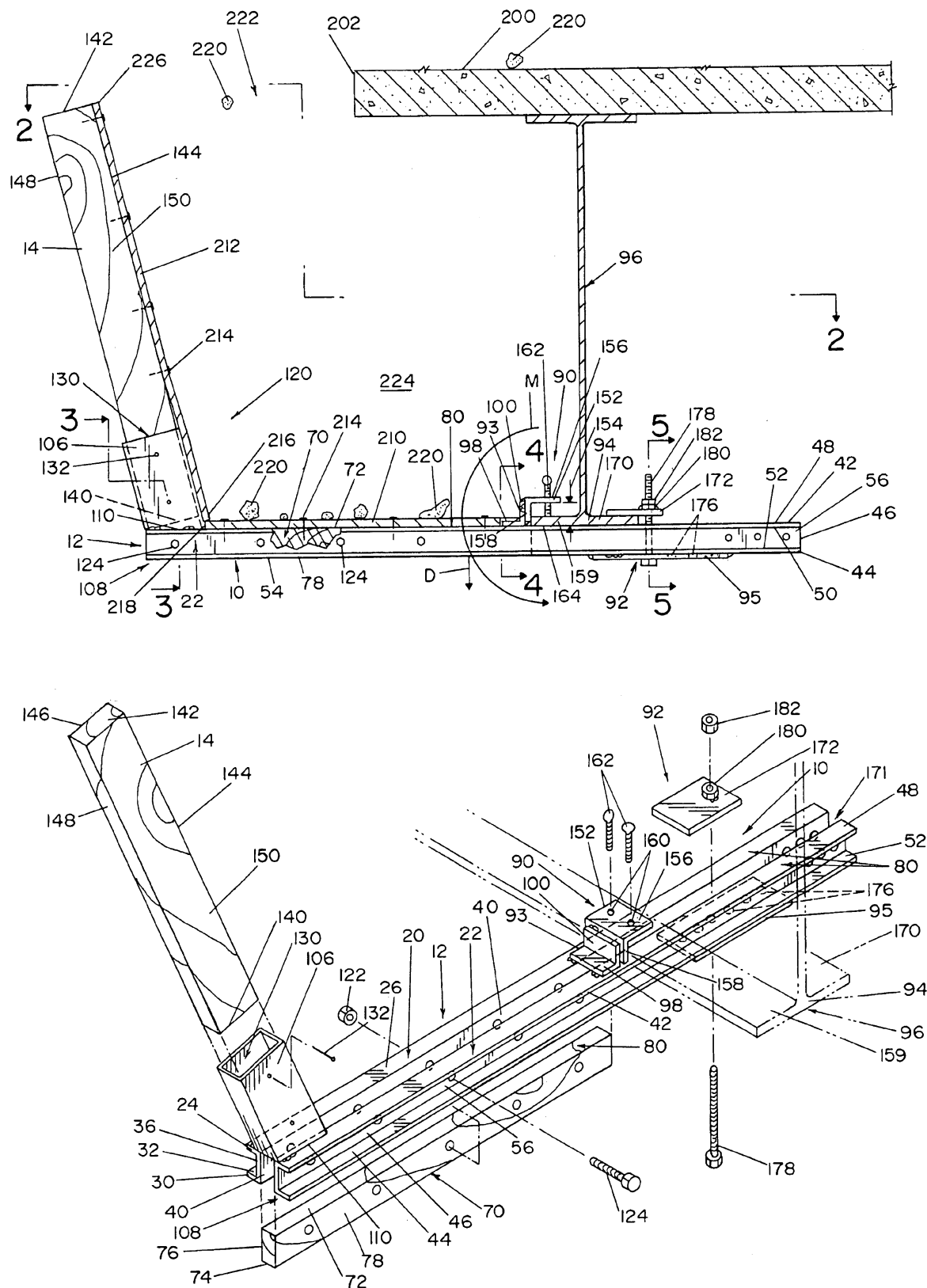
Family 76/100 - FAMPAT - ©Questel

Title

(US6976336)

Overhang falsework

Images



Publication data including kind & date

[US6848221](#)

B1 2005-02-01 US6848221

[US20050086887](#)

A1 2005-04-28 US20050086887

[US6976336](#)

B2 2005-12-20 US6976336



Abstract

(US6976336)

An overhang falsework for supporting a debris shield on an outward side of an I-beam used in an overhead frame structure comprises an elongated base member extending in a longitudinal direction transverse to the I-beam between an inner end and an outer end wherein said outer end is on the outward side of the I-beam. The falsework further includes a clamp connected to the member between the inner and outer ends for selectively securing the falsework to the I-beam in an

at least two vertical members comprising a socket; two or more brace components adapted to span between and connect to the two side frame components; at least four corner pole components, each adapted to connect with the socket of a vertical member; and a plurality of support rail components adapted to span between two pole components.

Inventors

CARMODY BENJAMIN

Latest standardized assignees - inventors removed

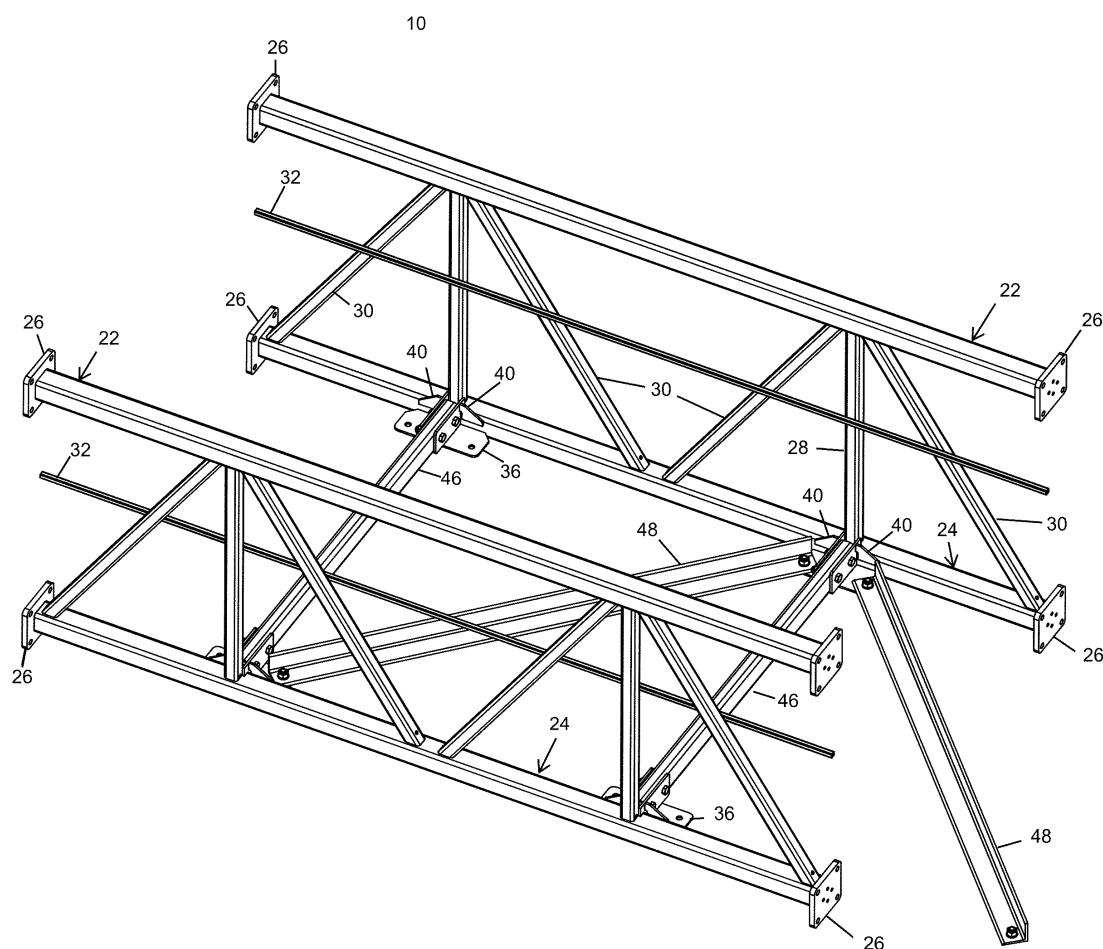
MASONRY SCAFFOLDING SOLUTIONS

Family 78/100 - FAMPAT - ©Questel

Title

(US20180223548)

Catwalk floorbeam connection system

Images**Publication data including kind & date**

[US20180223548](#)

A1 2018-08-09

US20180223548

**Abstract**

(US20180223548)

A catwalk system having a pair of side trusses formed of a top chord and bottom chord connected by a plurality of vertical posts and diagonal posts. The bottom chords have a plurality of joints formed of a bottom plate, opposing side plates and wing plates that form a pocket. These pockets receive an end of floorbeams which are bolted to the side plates. The bottom plate also includes a wind brace section that receives an end of a diagonal wind brace therein. The fabricated side trusses are shipped to the job site where the catwalk is quickly and easily assembled by aligning a pair of side trusses in parallel space alignment and installing floorbeams in the pockets of opposing joints. To provide additional rigidity diagonal wind braces are installed in a zig-zag formation between diagonally opposite joints. This arrangement provides a quickly

assembled catwalk that requires minimal assembly.

Inventors

BROWNMILLER DAVID JAY

DAVIS DUSTIN DONAHUE

SORENSEN ANDREW GENE

Latest standardized assignees - inventors removed

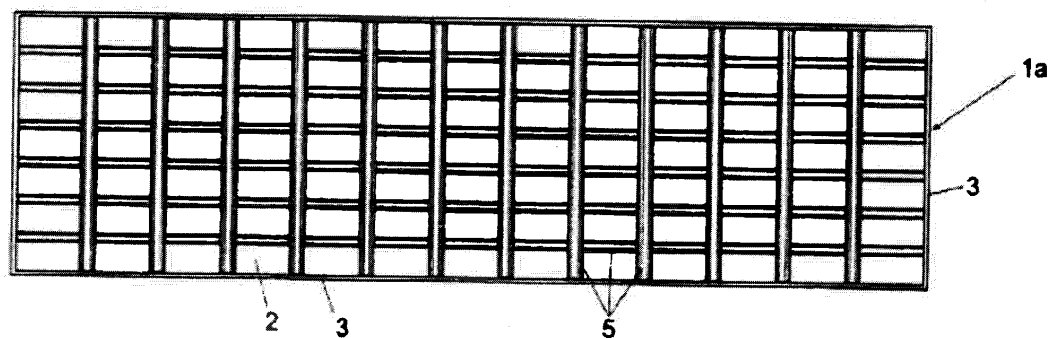
SUKUP MANUFACTURING

Family 79/100 - FAMPAT - ©Questel

Title

(FR3046804)

MODULAR AND INTEGRAL FORMWORK SYSTEM OF HIGH ACCURACY FOR THE CONSTRUCTION OF MONOLITHIC STRUCTURES IN REINFORCED CONCRETE

Images**Publication data including kind & date**

[FR3046804](#)

A3 2017-07-21 FR3046804

**Abstract**

(FR3046804)

The system comprises: - of the formwork panels (the, 1b, 1c, 1d, 1f and 1g) provided with an inner surface (2) which is extended on its periphery in a peripheral rim (3) provided with orifices (4) for the mounting assembly means and which forms, together with the inner surface (2), a structure in the form of a hollow box, open towards the outer side and which interiorly has a mesh of reinforcement (5) constituted by longitudinal and transverse of folded sheet metal, - fixing means of successive formwork panels for the formation of a mould for concreting and - means for fixing plates to the inside of the formwork.

Inventors

PUJOL BARCONS SALVADOR

Latest standardized assignees - inventors removed

FLORES GARCIA CLAUDIA

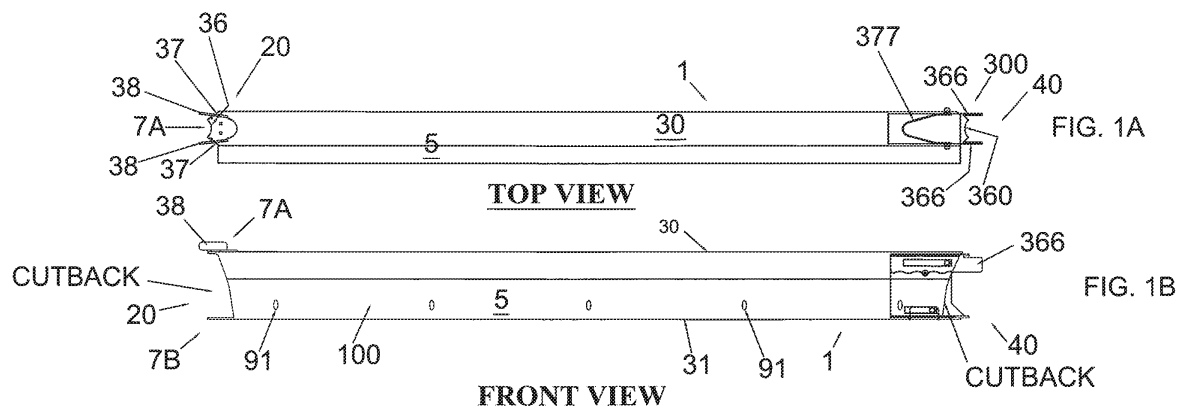
Family 80/100 - FAMPAT - ©Questel

Title

(EP3286387)

A lockable scaffold toeboard system

Images



Publication data including kind & date

CA2983294	A1	2016-10-27	CA2983294
WO2016/172513	A1	2016-10-27	WO2016172513
WO2016/172513	A9	2017-01-26	WO2016172513
AU2016252859	A1	2017-12-07	AU2016252859
EP3286387	A1	2018-02-28	EP3286387
MX2017013544	A	2018-09-07	MX2017013544
EP3286387	A4	2018-12-19	EP3286387



Abstract

(EP3286387)

A scaffold toeboard system for locking a toeboard between two vertical scaffold members where each vertical scaffold member includes a tubular member having a diameter and an outer shape. The toeboard system includes a toeboard having an elongated member with a fixed terminating end and an adjustable terminating end. The toeboard further includes a front portion, a top edge, a bottom edge and a rear portion. The toeboard system further includes a locking mechanism slidably mounted to the adjustable terminating end, where the locking mechanism includes a lock member body with a front edge and two fingers positioned on said locking mechanism and extending outwardly from the front edge of the locking member. The two fingers separated by a horizontal distance of about the diameter of a scaffold vertical member. The locking mechanism further includes a lock, where the lock is actuatable to fix the position of the lock member body with respect to the toeboard. The fixed terminating end is shaped to engage a scaffold vertical member.

Inventors

HAYMAN YATES WESTLEY

CURTIS JOHNNY

Latest standardized assignees - inventors removed

DELTAK MANUFACTURING

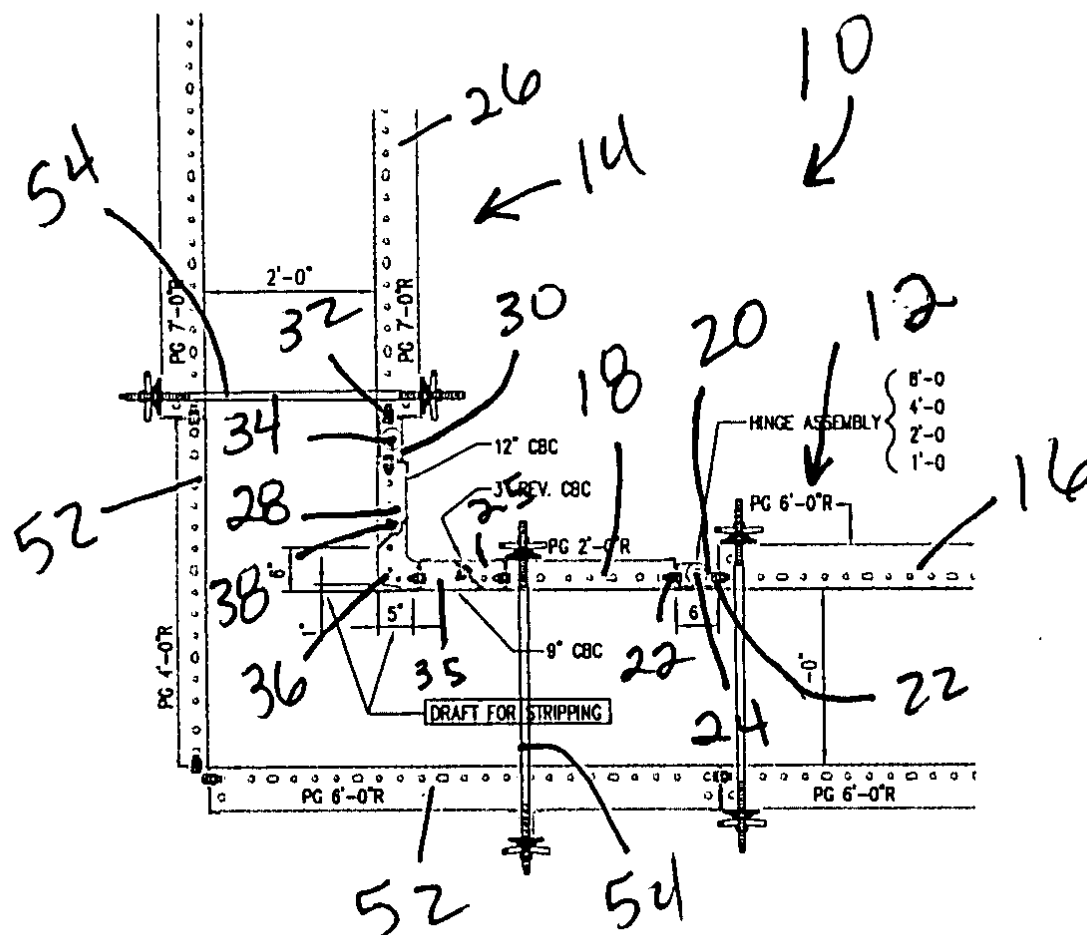
Family 81/100 - FAMPAT - ©Questel

Title

(EP1941115)

Collapsible inside corner form

Images



Publication data including kind & date

WO2007/041608	A2	2007-04-12	WO200741608
WO2007/041427	A2	2007-04-12	WO200741427
CA2624742	A1	2007-04-12	CA2624742
CA2624702	A1	2007-04-12	CA2624702
US20070084984	A1	2007-04-19	US20070084984
WO2007/041427	A3	2008-06-26	WO200741427
EP1941115	A2	2008-07-09	EP1941115
EP1941114	A2	2008-07-09	EP1941114
WO2007/041608	A3	2008-11-06	WO200741608
EP1941114	A4	2013-05-01	EP1941114
EP1941115	A4	2013-06-12	EP1941115



Abstract

(EP1941115)

A corner form assembly for forming inside corners of concrete structures, including first form subassembly for forming a first surface of the concrete structure and a second form subassembly for forming a second surface of the concrete structure oriented at an angle less than 180° relative to the first surface. A corner form assembly is pivotally attached to the second form assembly for movement between a set position for forming the concrete structure and a folded position. The corner form assembly is releasably secured to the first form assembly when in the set position and is provided with a relief angle to permit folding of the second form assembly relative to the concrete structure.

Inventors

PAULEY RANDY

WALDSCHMITT THOMAS

Latest standardized assignees - inventors removed

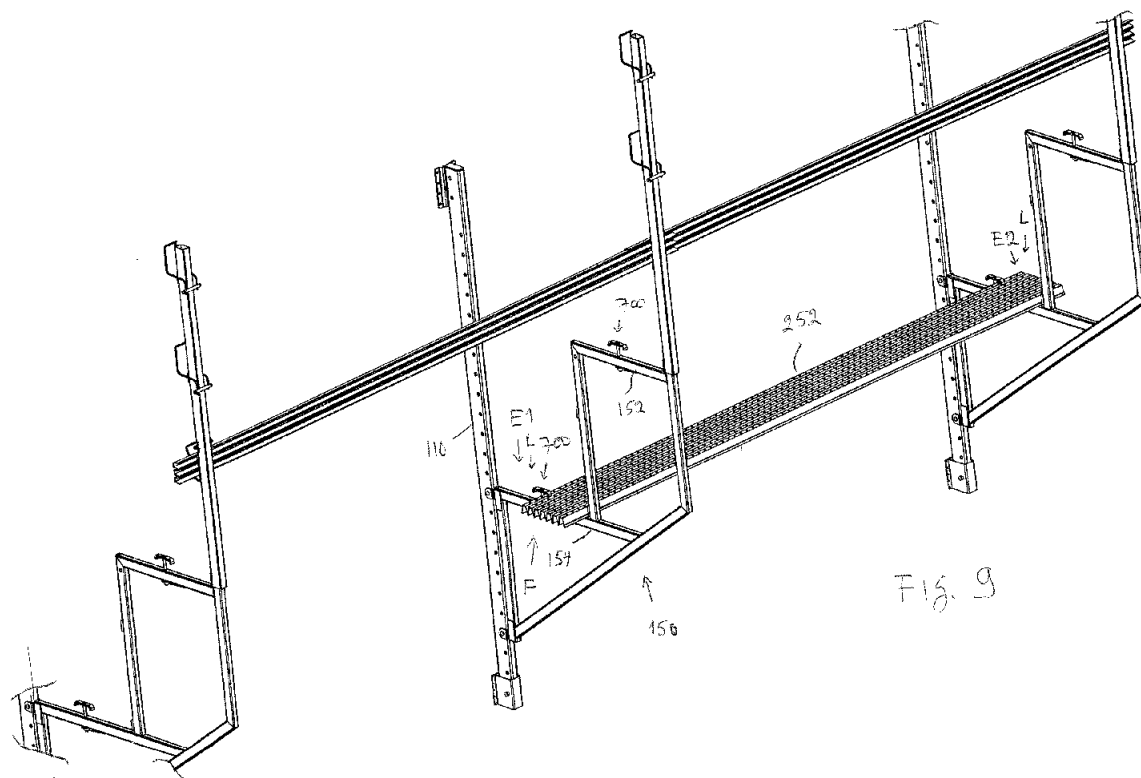
WILIAN HOLDING

Family 82/100 - FAMPAT - ©Questel

Title

(EP2706168)

Wall bracket and working platform

Images**Publication data including kind & date**

EP2706168	A2	2014-03-12	EP2706168
EP2706168	A3	2014-11-26	EP2706168

**Abstract**

(EP2706168)

A wall bracket is provided for facilitating construction work, as a surface for a person or another load. The wall bracket comprises a plurality of support structures (110) to be fastened to a wall in parallel and at a distance from one another and, resting thereon, parallel working platform frames (150) settling at a distance from one another for supporting working platforms (252, 253) comprised by the wall bracket. In the invention, the working platforms are such that the working platform comprises a self-supporting wall (261 to 267, 271 to 277) and that at least an end area of the self-supporting wall is provided with an overlap area (L) for resting on an adjacent working platform.

Inventors

AHOLA HANNU

KURKELA ILKKA

Latest standardized assignees - inventors removed

POHJOLAN DESIGN TALO

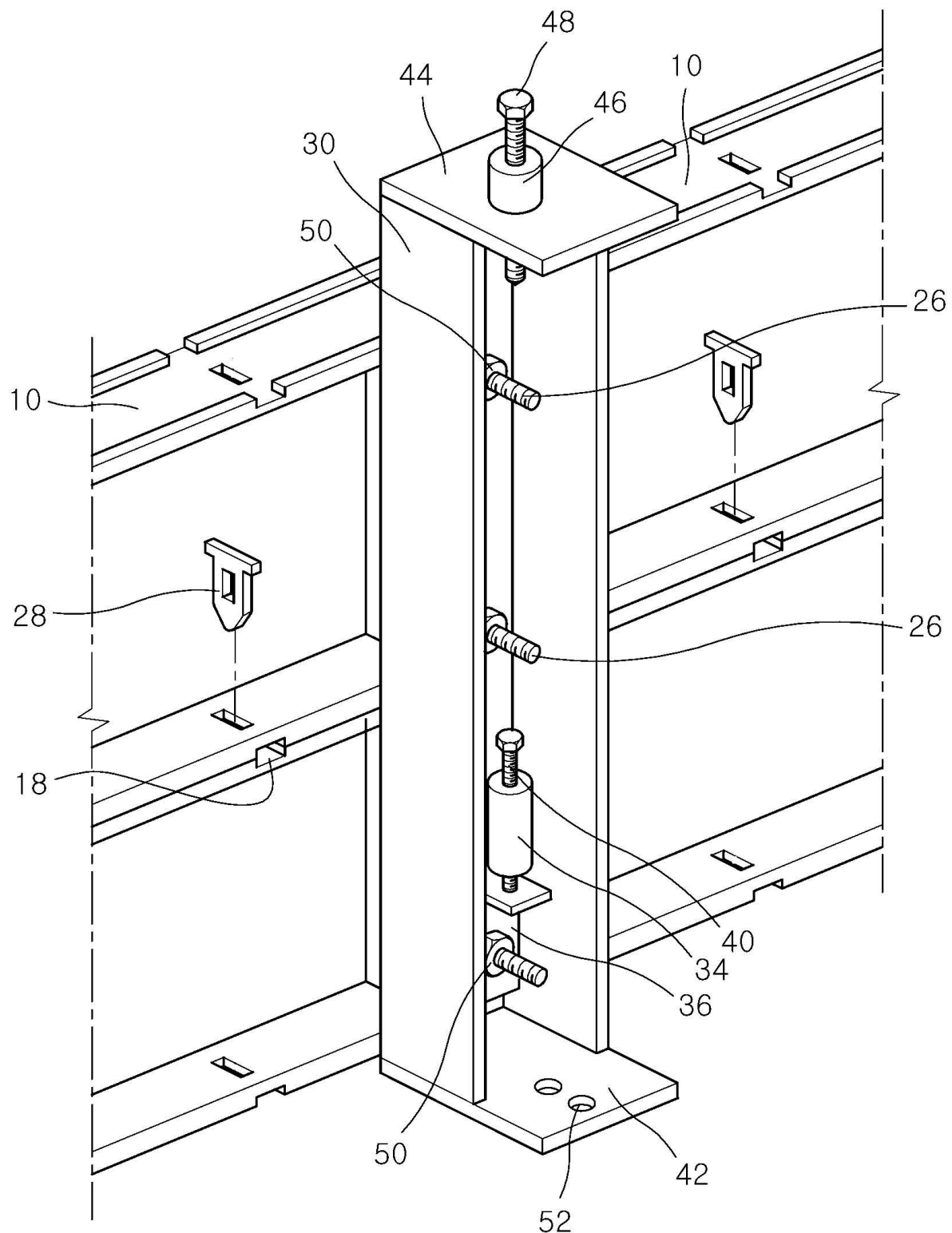
Family 83/100 - FAMPAT - ©Questel

Title

(KR101849766)

Apparatus for assembling form using euro form and method for constructing concrete strip foundation of house using the same

Images



Publication data including kind & date

KR20170132519	A	2017-12-04	KR20170132519
KR101849766	B1	2018-04-17	KR101849766



Abstract

(KR101849766)

The present invention relates to a mold assembly device using a euro-form and a method for constructing a strip foundation of a house by using the same and, specifically, to a mold assembly device using a euro-form, capable of efficiently

controlling the height and horizontality of the euro-form when a mold is assembled and reducing construction periods and construction costs in construction of a concrete strip foundation of a house, and a method for constructing a strip foundation of a house by using the same. According to an aspect of the present invention, the euro-form includes: plywood; and a square frame bar attached to one side of the plywood and supporting the plywood, wherein the frame bar has a wedge hole formed at fixed intervals along the outer circumference, and a tie hole formed at a position corresponding to the wedge hole. The mold assembly device using the euro-form includes: a fixing tie having an insertion plate having the wedge hole inserted into the tie hole formed in a pair of euro-form units having a side end adjacent to each other, wherein a wedge pin is inserted into the wedge hole and the fixing tie also includes a screw unit having a thread on the outer circumference and is extended from the side of the insertion plate; a support pillar having a long hole formed at intervals in the longitudinal direction, wherein the screw unit of the fixing tie passes through the long hole and one side of the support pillar supports the euro-form; a lift control sleeve connected to the other side of the support pillar, wherein a female screw unit passes through the lift control sleeve in the longitudinal direction; a lift control bolt having a male screw unit corresponding to the female screw unit on the outer circumference and passing through the lift control sleeve by being screwed to the lift control sleeve; and a lift plate connected to one end of the lift control bolt to rotate and having an insertion hole which the screw unit passing the long hole passes through.

Inventors

HAN, BYONG TAE

Family 84/100 - FAMPAT - ©Questel

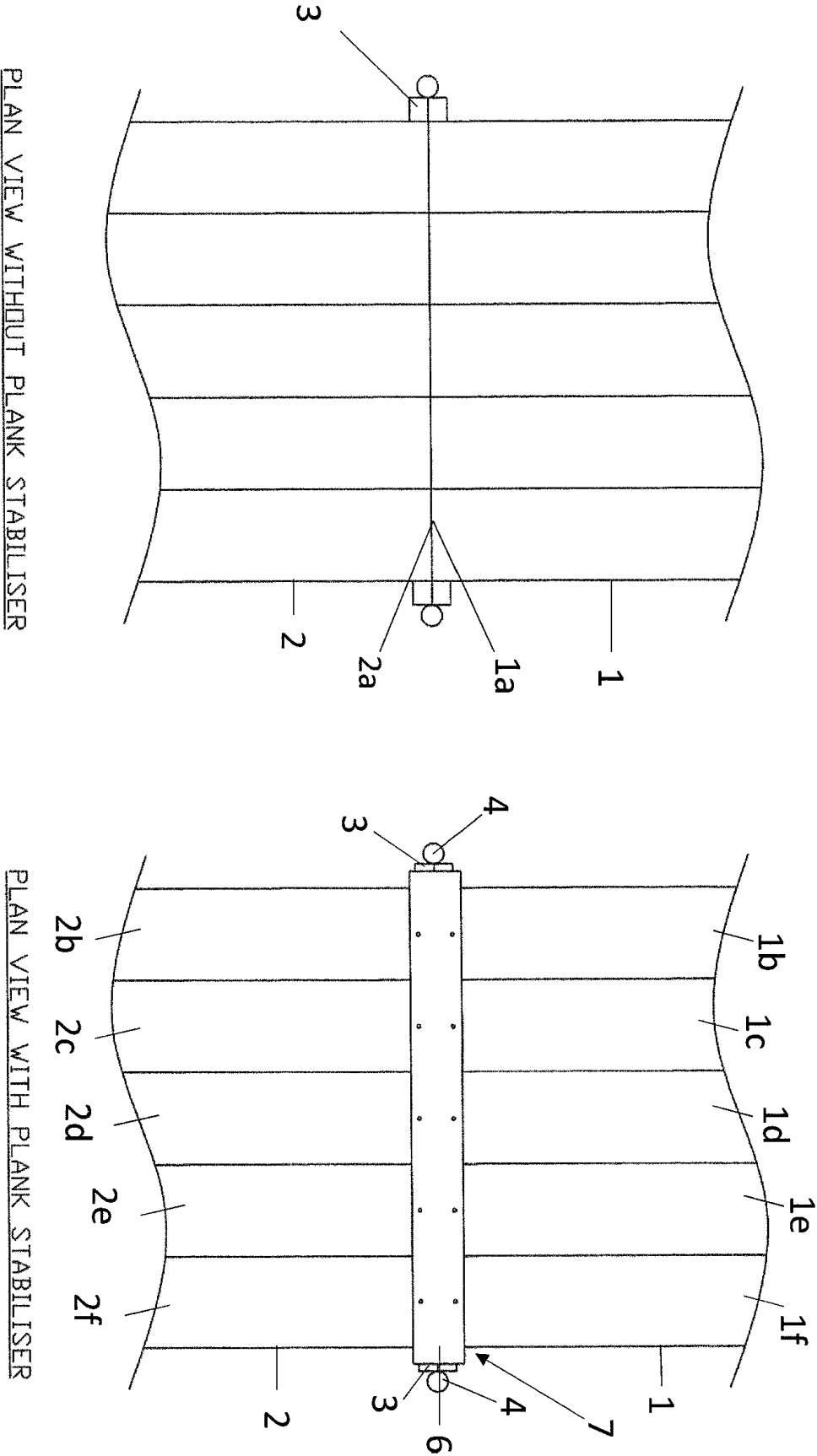
Title

(GB2550562)

Scaffold

Images

Figure 1 (A) and (B)



Publication data including kind & date

GB201608684	D0	2016-06-29	GB201608684
GB2550562	A	2017-11-29	GB2550562



Abstract

(GB2550562)

A stanchion 14 for a scaffold 16 comprises a support member 13 comprising a first end 13a and a second end 13b, said

first end 13a includes an attachment means for releasable attachment to a worker or person, and the second end 13b releasably attachable to a portion of the scaffold frame such that in use said support member extends upwards from said frame. The second end 13a may be attached using a clamp 23 to a portion of the scaffold frame including a horizontal ledger 17 or a vertical standard 15a, 15b. Preferably the stanchion may also comprise a securement member for releasable attachment to the scaffold frame, wherein said frame is beneath the working platform on which a person is standing when the stanchion is in use. Also included is a plank stabiliser for a scaffolding plank on an inverted T-section support member of a scaffold frame (Fig 2a). A bracing device for stabilising a scaffold frame is also disclosed (Fig 9).

Inventors

MARK TRAVERS

Family 85/100 - FAMPAT - ©Questel

Title

(EP2761113)

Insulated concrete form and method of using same

Images

US20140332658	A1	2014-11-13	US20140332658
EP2761113	A4	2015-04-29	EP2761113
US9115503	B2	2015-08-25	US9115503
US20150368916	A1	2015-12-24	US20150368916
US9624679	B2	2017-04-18	US9624679
US20170218644	A1	2017-08-03	US20170218644
CA2847876	C	2017-10-31	CA2847876
US9982445	B2	2018-05-29	US9982445



Abstract

(EP2761113)

The invention comprises connector for a pair of opposed spaced concrete forming panels. The connector comprises an elongate spacer member having flanges formed thereon intermediate a central portion thereof and each opposite end thereof. A portion of at least one end of the spacer member is sized and shaped to selectively engage an elongate panel bracing member. A composite insulated concrete form and a method of using the insulated concrete form are also disclosed.

Inventors

CIUPERCA ROMEO IIARIAN

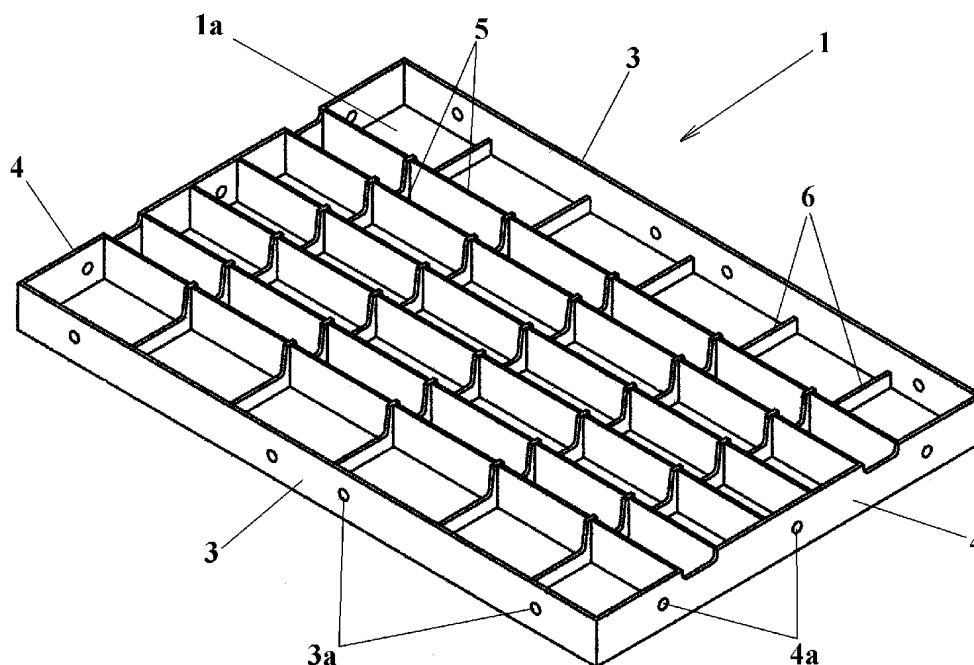
Family 86/100 - FAMPAT - ©Questel

Title

(WO201290716)

Recyclable formwork

Images



Publication data including kind & date

WO2012/090716	A1	2012-07-05	WO201290716
JP2012136884	A	2012-07-19	JP2012136884
US20130323343	A1	2013-12-05	US20130323343
JP5442593	B2	2013-12-27	JP5442593



US9080334

B2 2015-07-14 US9080334

**Abstract**

(WO201290716)

Provided is a recyclable formwork whereby novel functions can be added to a recyclable formwork without compromising the functions of the recyclable formwork. The recyclable formwork includes a contact surface (2) for contact with laid concrete; a non-contact surface (1a) positioned parallel to the contact surface (2) and opposite from the non-contact surface; a recyclable formwork main unit (1) having a plurality of ribs (3, 4, 5, 6) protruding from the non-contact surface (1a) on the side opposite that of the contact surface (2), and reinforcing the recyclable-accommodating formwork (1); a case (7) housed between the ribs (5, 5) and fixed to the non-contact surface (1a) side; and a circuit (78) housed inside the case (7). The highest point of the case (7) on the non-contact surface (1a) side is at a height equal to or lower than the highest point of the top end of the plurality of ribs (3, 4, 5, 6).

Inventors

HAYASAKI MASAHIRO

NISHIJIMA SHIGEYUKI

YAMAMOTO HIDEYUKI

Latest standardized assignees - inventors removed

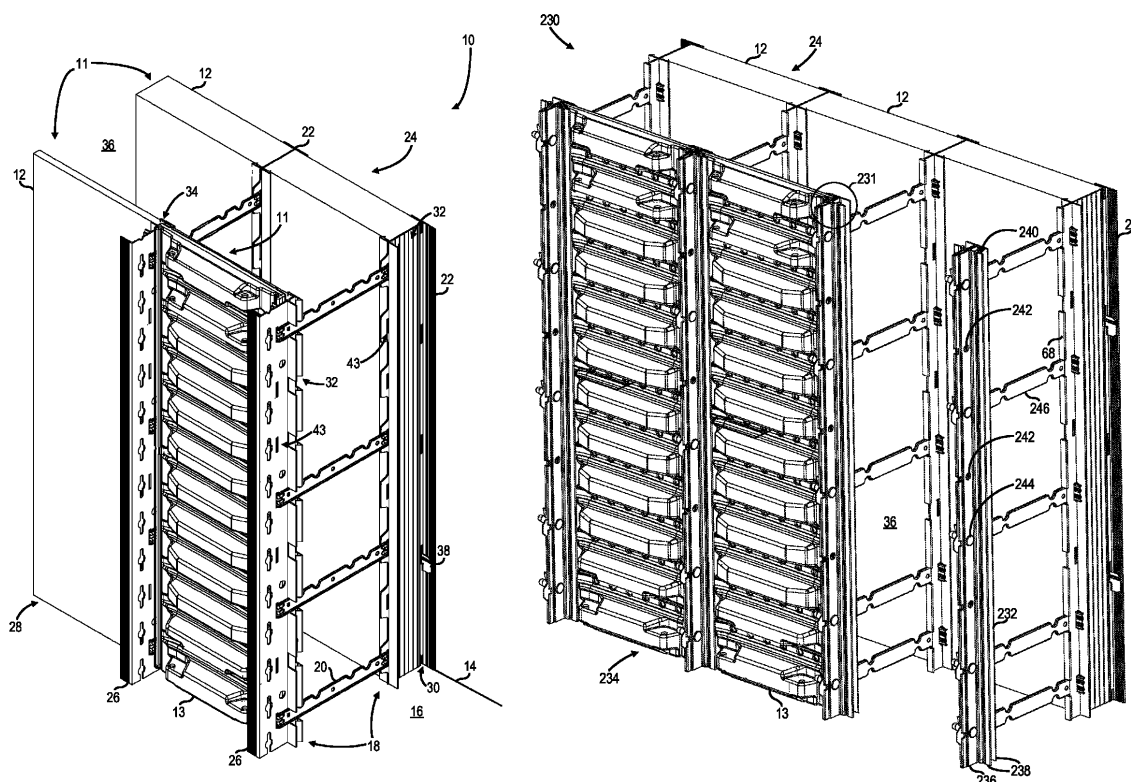
JUST WILL

Family 87/100 - FAMPAT - ©Questel

Title

(EP2475826)

High strength adjustable vertical concrete form

Images**Publication data including kind & date**

US20110057090	A1	2011-03-10	US20110057090
WO2011/031412	A2	2011-03-17	WO2011131412
CA2773966	A1	2011-03-17	CA2773966
AU2010292822	A1	2012-04-19	AU2010292822



IL218449	A	2012-04-30	IL-218449				
EP2475826	A2	2012-07-18	EP2475826				
MX2012002888	A	2012-09-12	MX2012002888				
IN0725/KOLNP/2012	A	2012-11-16	IN2012KN00725				
WO2011/031412	A3	2012-12-27	WO2011131412				
US8632332	B2	2014-01-21	US8632332				
US20140131548	A1	2014-05-15	US20140131548				
IL218449	B	2014-10-30	IL-218449				
ZA201202231	B	2014-12-23	ZA201202231				
US9169661	B2	2015-10-27	US9169661				
CA2773966	C	2015-11-24	CA2773966				
AU2010292822	B2	2016-05-12	AU2010292822				

Abstract

(EP2475826)

A construction form system for forming concrete walls for use as above grade walls, foundations, frost walls, exterior envelopes, and the like, is disclosed. The system includes a plurality of pairs of opposing vertical forming panels spaced from each other to define a forming cavity disposed to receive a hardenable material. Each pair of opposing forming panels comprises an inner panel forming part of an inner wall and an outer panel forming part of an outer wall. The system also includes an outer rail positioned between each adjacent pair of outer forming panels and an inner rail positioned between each adjacent pair of inner forming panels. The inner forming panels comprise support panels configured to be selectively addable and removable from between each adjacent pair of inner rails prior to and subsequent to a pouring of the hardenable material into the cavity.

Inventors

SPUDE GERALD

HUFF STEVEN

DANNER BRYAN

Latest standardized assignees - inventors removed

TF FORMING SYSTEMS

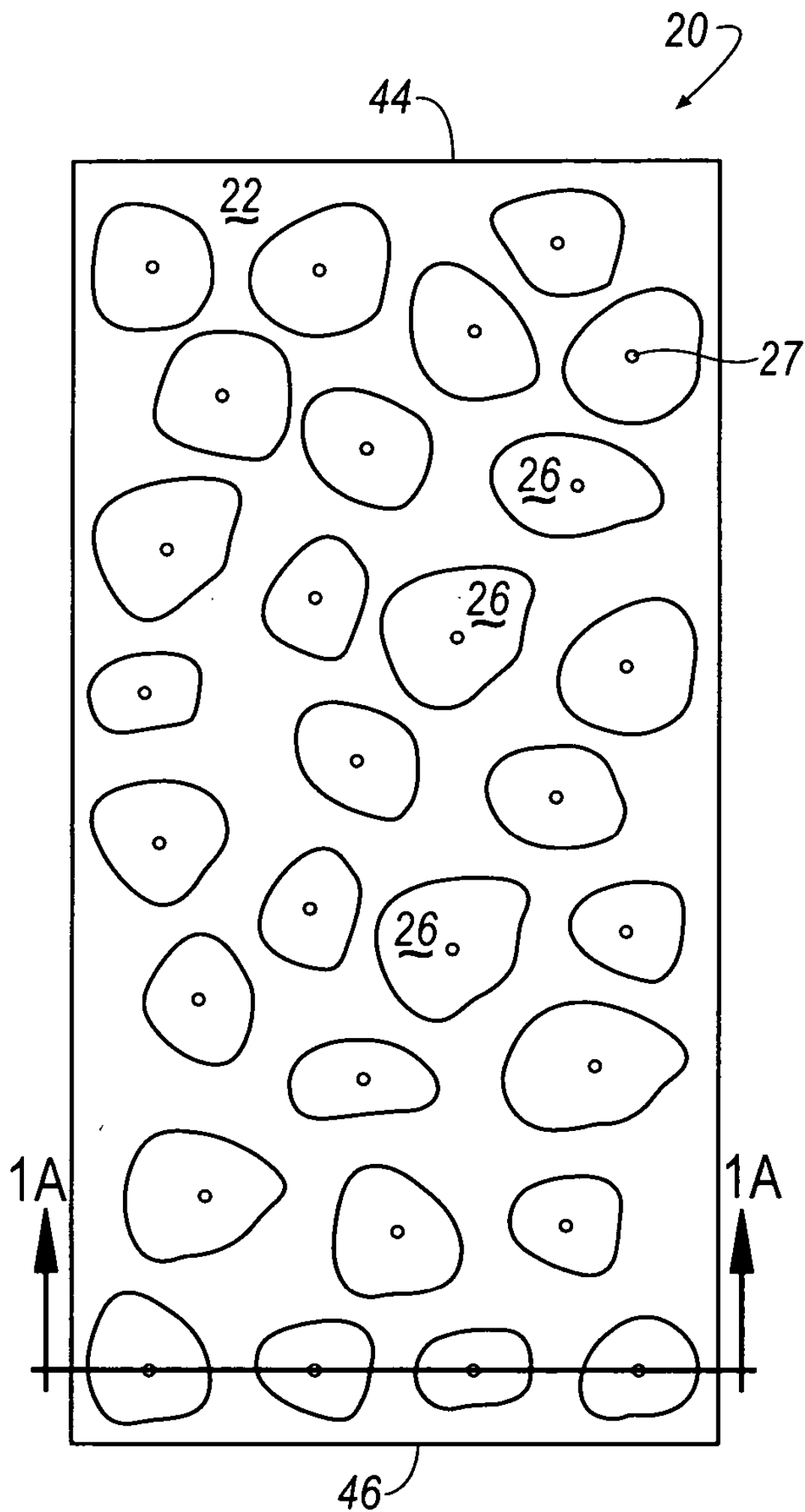
Family 88/100 - FAMPAT - ©Questel

Title

(EP1578572)

Re-usable non-metallic construction forming system

Images



Publication data including kind & date

WO2004/060623	A2	2004-07-22	WO200460623				
CA2512157	A1	2004-07-22	CA2512157				
AU2003297053	A1	2004-07-29	AU2003297053				
WO2004/060623	A3	2004-11-11	WO200460623				
TW200424412	A	2004-11-16	TW200424412				
US20040261342	A1	2004-12-30	US20040261342				
AR042695	A1	2005-06-29	AR--42695				
EP1578572	A2	2005-09-28	EP1578572				
KR20050104342	A	2005-11-02	KR20050104342				
BR0317900	A	2005-11-29	BR200317900				
BRPI0317900	A1	2005-11-29	BRPI0317900				
TWI250242	B	2006-03-01	TWI250242				
MXPA05007106	A	2006-03-17	MX2005PA007106				
CN1774552	A	2006-05-17	CN1774552				
RU2005125035	A	2006-05-27	RU2005125035				
JP2006521477	A	2006-09-21	JP2006521477				
IN1434/CHENP/2005	A	2007-06-22	IN2005CN01434				
IN3761/CHENP/2007	A	2007-11-23	IN2007CN03761				
IN223284	B	2008-11-21	IN-223284				
BRPI0317900	A2	2011-02-22	BR200317900				

Abstract

(EP1578572)

A form for use with a flowable construction material including a base portion having a front and rear face and a reinforcement matrix secured to the rear face. At least the base portion of the form is a non-metallic, non-wooden material.

Inventors

HANNAWA HATAM

HANNAWAN WAEL

SHENG HUANG CHIN

Latest standardized assignees - inventors removed

ARCHITECTURAL CONCRETE CREATIONS

Family 89/100 - FAMPAT - ©Questel

Title

(EP1540109)

Modular platform, walkway or ramp

Images

(14) and (15). The prefabricated floor bearers (34) have sleeves (56) and 58 attached at each end for respective receipt of the floor pillars (14) and (15). The pillars (14) and (15) are thus arranged for longitudinal movement relative to the sleeves such as (56) and locating pins (83) retain the pillars (14) or (15) relative to the sleeve (56).

Inventors

SUGGATE TREVOR ROSS

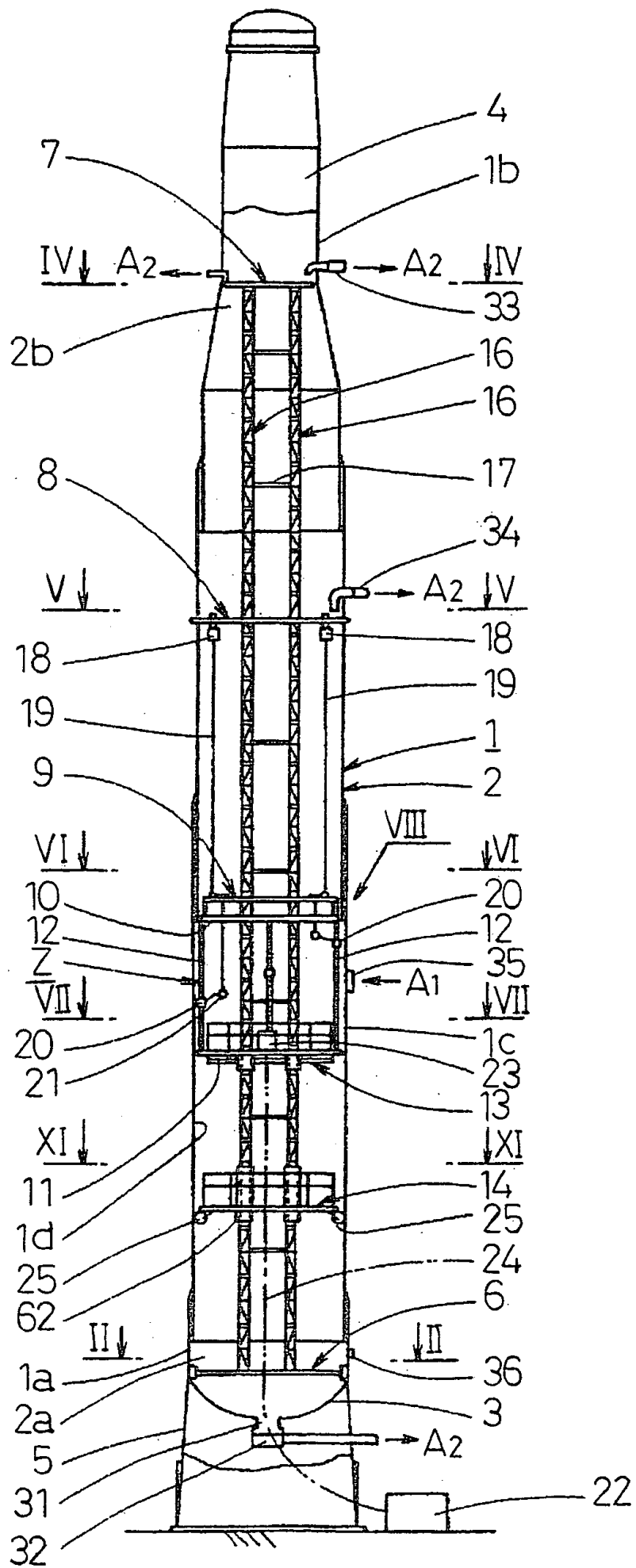
Family 90/100 - FAMPAT - ©Questel

Title

(EP1514636)

Working device for inner wall surface of tower tank, and inner wall surface working method using the same

Images



Publication data including kind & date

JP2003326390	A	2003-11-18	JP2003326390				
WO03/095142	A1	2003-11-20	WO200395142				
CA2473926	A1	2003-11-20	CA2473926				
JP3592313	B2	2004-09-03	JP3592313				
EP1514636	A1	2005-03-16	EP1514636				
BR0307560	A	2005-04-26	BR200307560				
BRPI0307560	A1	2005-04-26	BRPI0307560				
CN1638915	A	2005-07-13	CN1638915				
US20050150721	A1	2005-07-14	US20050150721				
BRPI0307560	A2	2018-03-20	BRPI0307560				

Abstract

(EP1514636)

By using a construction in which a suspended beam structure (9) is suspended from a suspension support base (8) that has been installed inside a tower structure (1), in a manner that enables movement up and down of the suspended beam structure, an operations unit (20) is attached to the suspended beam structure (9) via a guide mechanism (Z) , in a manner that enables movement up and down, and/or left and right, and operations such as welding are then performed on an inner wall surface (1d) of the tower structure (1) using the operations unit (20), the operating height position for the operations unit (20) is easily altered by moving the suspended beam structure (9) up or down, the operation for adjusting levels during operations is markedly simplified, or even unnecessary, and the safety and operating efficiency of operations is improved.

<IMAGE>

Inventors

FUJIWARA REIKI

ITO MASAOKI

Latest standardized assignees - inventors removed

DAIO SEISHI

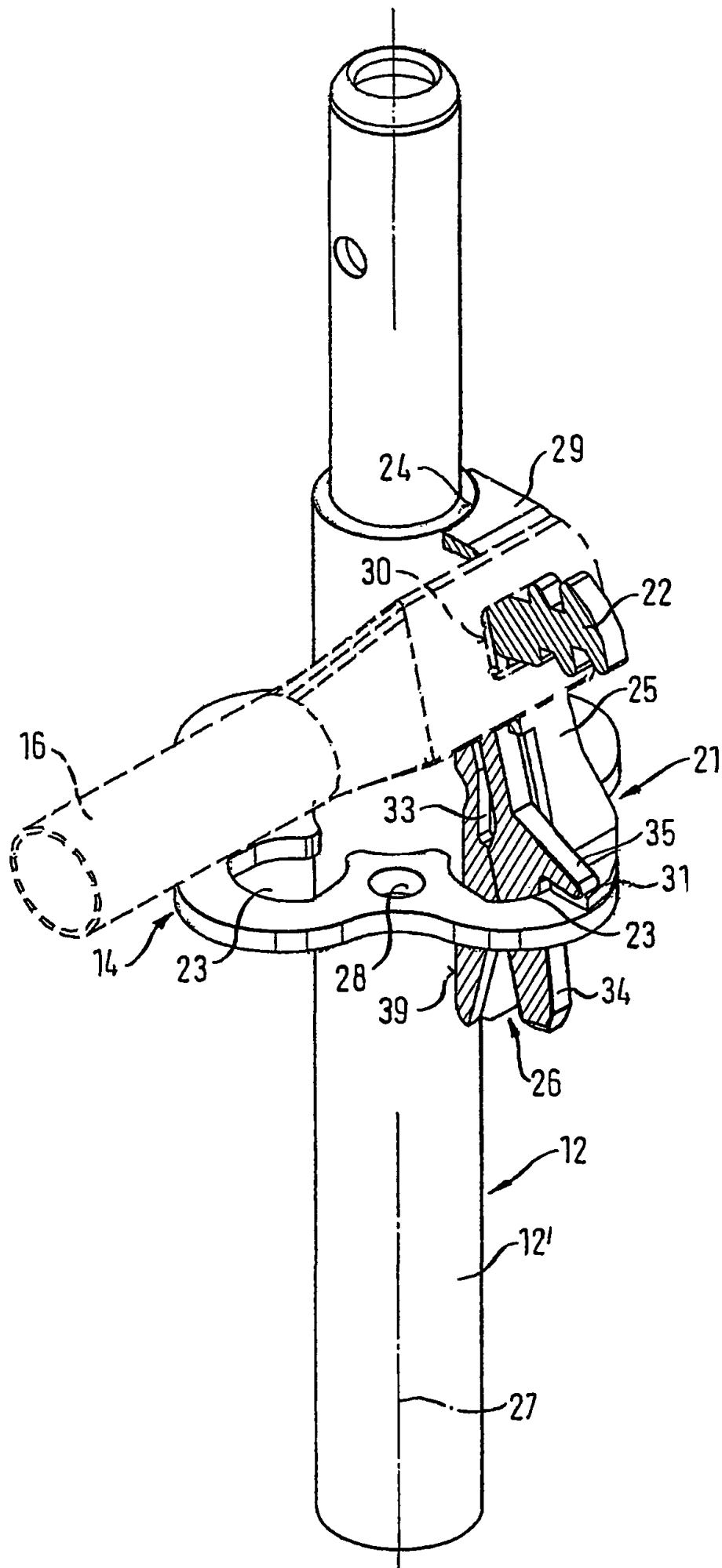
Family 91/100 - FAMPAT - ©Questel

Title

(EP1395723)

Dismountable scaffolding

Images



Publication data including kind & date

DE10128955	A1	2002-12-19	DE10128955				
WO02/103136	A2	2002-12-27	WO2002103136				
CA2450273	A1	2002-12-27	CA2450273				
AU2002347548	A1	2003-01-02	AU2002347548				
WO02/103136	A3	2003-10-23	WO2002103136				
EP1395723	A2	2004-03-10	EP1395723				
US20040231922	A1	2004-11-25	US20040231922				
EP1395723	B1	2008-07-09	EP1395723				
DE50212478	D1	2008-08-21	DE50212478				
ES2307797	T3	2008-12-01	ES2307797				
CA2450273	C	2010-09-14	CA2450273				
US7975803	B2	2011-07-12	US7975803				

Abstract

(EP1395723)

The invention relates to dismountable scaffolding comprising accessible platforms on a plurality of levels and a multitude of vertical supports carrying said platforms. Said vertical supports preferably consist of several sections which can be fixed one on top of the other, are arranged at a distance from each other, and are preferably connected by means of platform bars at pre-determined vertical distances. Said supports carry perforated anchor plates at pre-determined vertical distances. Connecting railing elements can be applied to adjacent vertical supports. In order to apply at least one railing element above a platform, at least the highest railing element of a level can be applied to the associated perforated anchor plate by means of a railing adapter element. When applied to the perforated anchor plate, said adapter carries a railing holding element above the anchor plate. The distance between the anchor plate and the railing holding element is smaller than the distance between two vertically adjacent anchor plates.

Inventors

SCHWOERER ARTHUR

Latest standardized assignees - inventors removed

PERI

Family 92/100 - FAMPAT - ©Questel

Title

(WO9919127)

Wall forming system and method of forming a wall of hardenable material

Images

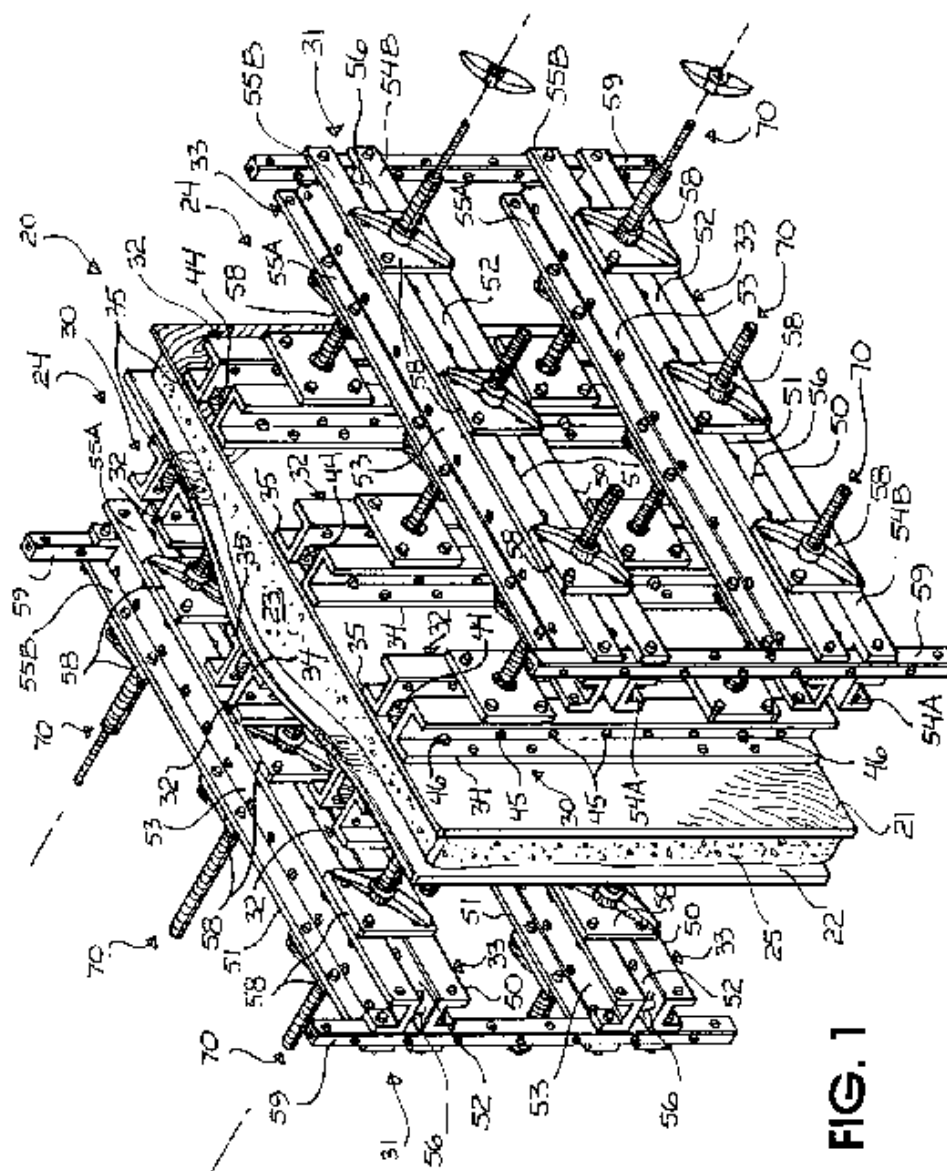


FIG. 1

Publication data including kind & date

WO99/19127	A2	1999-04-22	WO9919127
WO99/19127	A3	1999-06-24	WO9919127
US5956922	A	1999-09-28	US5956922

**Abstract**

(WO9919127)

A system for molding hardenable material (25) having a first panel (21), a second panel (22) opposing the first panel to bound a cavity (23) which receives the hardenable material. An adjustable support structure (32, 33) is carried by the first and second panels. Adjustment of either of the support structures imparting a contour to either of the first and second panels.

Inventors

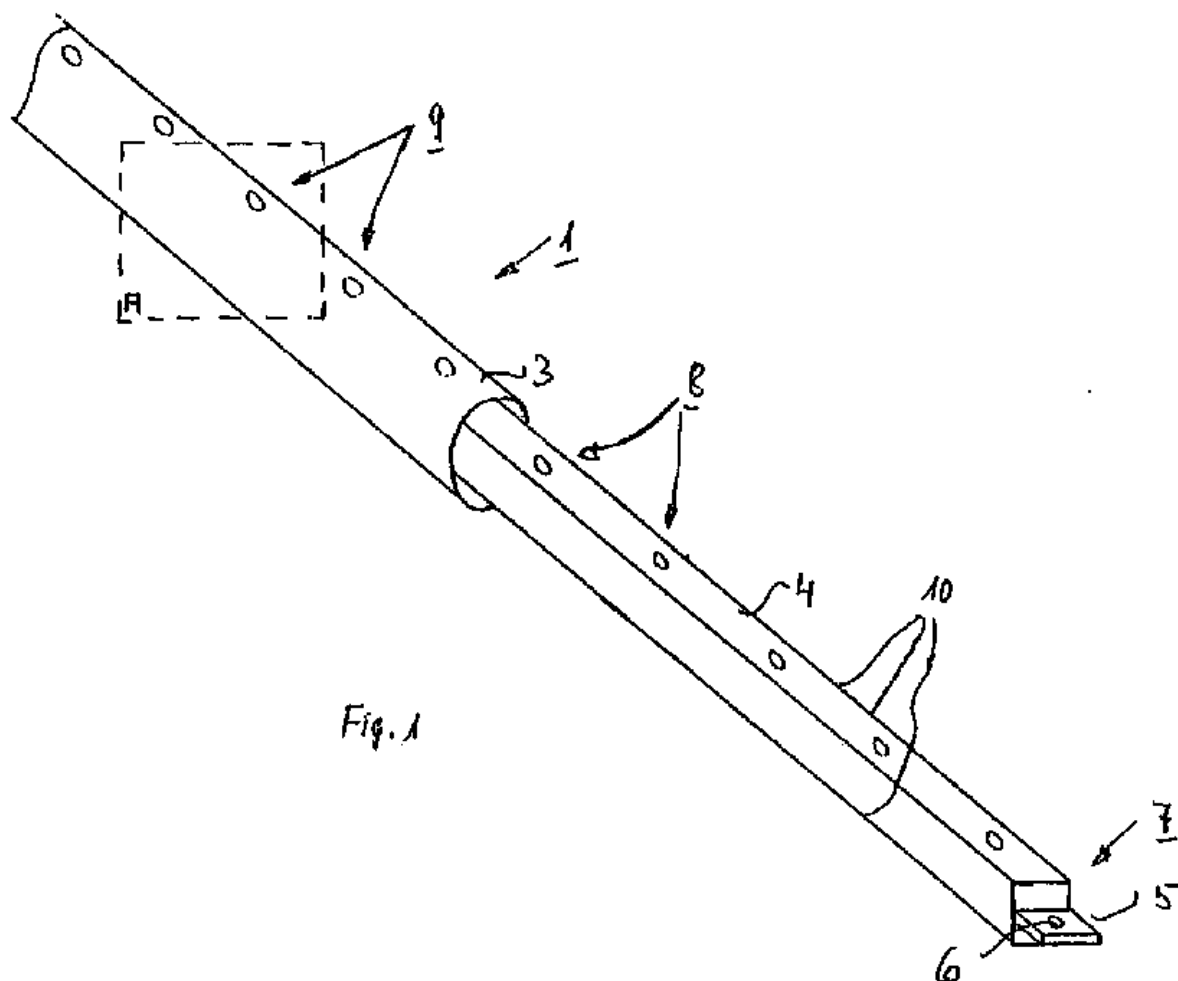
LIUSKA BRUCE

Family 93/100 - FAMPAT - ©Questel

Title

(DE19529781)

On-site concrete staircase shell

Images**Publication data including kind & date**

DE9419762	U1	1995-07-06	DE9419762
DE19529781	A1	1996-06-20	DE19529781
DE19529781	C2	1997-03-06	DE19529781

**Abstract**

(DE19529781)

The staircase shell forms substructure in which the steel skin track (2) is secured to the extended tubes (1). The track is forced through the extended tubes by pegs (11) with the top sides (15) in contact with the cover (16). The inner gap between the extendable tubes (3,4) is partially enlarged to receive the forced-through steel skin (13). In order to form the inner gap the cross-sections of the inner and outer tubes have different contours.

Inventors

HINTZ GUENTHER

Latest standardized assignees - inventors removed

HINTZ GUENTHER

Family 94/100 - FAMPAT - ©Questel

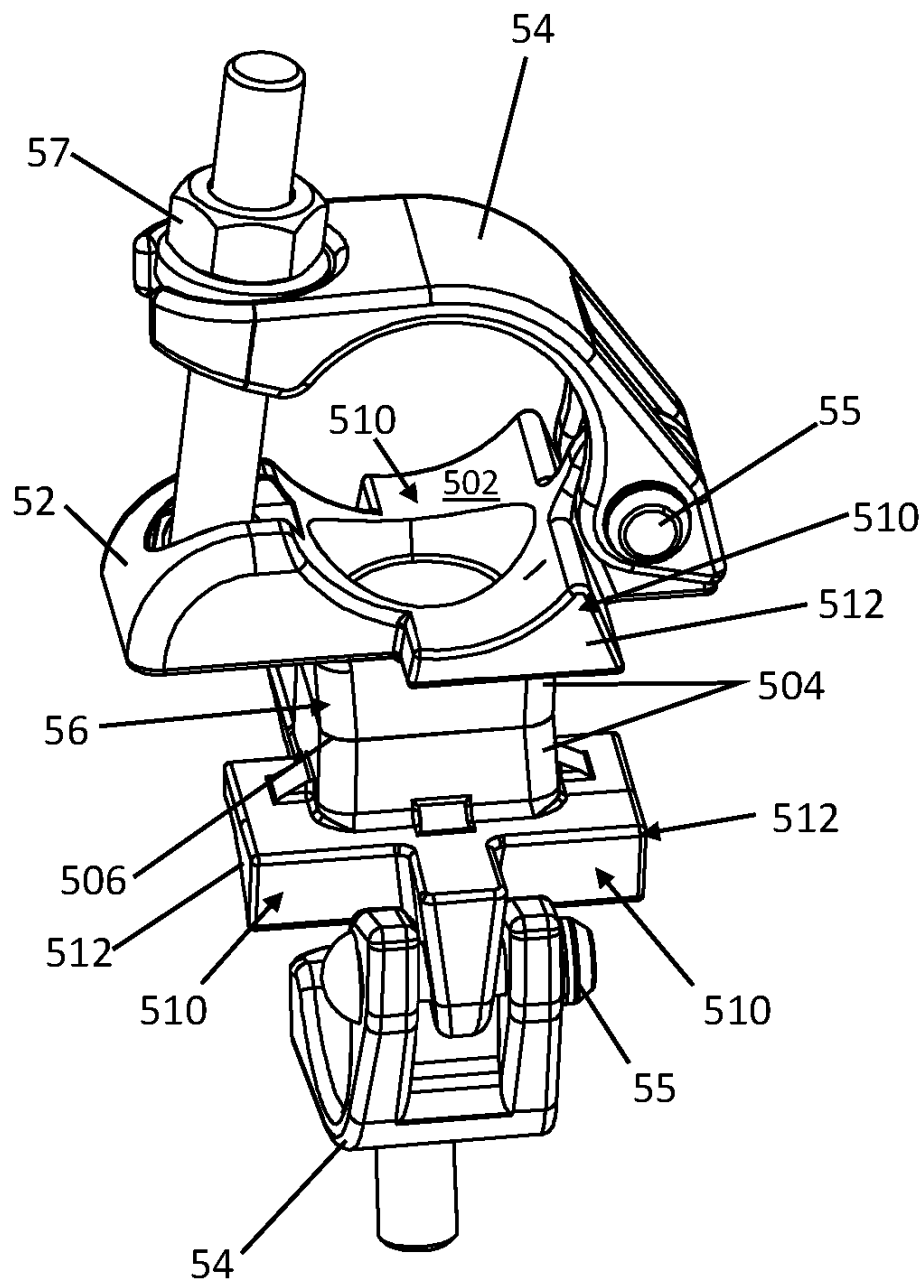
Title

(EP3283708)

Scaffold clamps

Images

500

FIGURE 10

Publication data including kind & date

WO2016/166541	A1	2016-10-20	WO2016166541
EP3283708	A1	2018-02-21	EP3283708
CN107912050	A	2018-04-13	CN107912050

**Abstract**

(EP3283708)

A scaffold clamp (500) comprising spacer wings (512) having carefully selected dimensions that permit the mutually orthogonal connection of scaffold tubes (12, 512, 514) in a tube-on-tube and/or in a clamp-on-clamp configuration. The invention facilitates bracing a scaffold assembly to a wall using the same transom tubes that are used to support the scaffold boards. A further advantage of the invention is the ability for form a "birds nest" intersection of vertical (12) and horizontal (512, 514) scaffold tubes in a tube-on-tube configuration. The scaffold clamp (500) comprises first and second claw portions (52), and a respective set of releasable clamping portions (54) associated with each of the claw portions (52) for securing, in use, a respective scaffold tube (12, 512, 514) between the claw portion (52) and its respective clamp portion (54), wherein the scaffold clamp (500) further comprises a spacer (56, 504) interposed between the claw portions (52), and wherein each claw portion (52) comprises a pair of wings (512) extending laterally from either side thereof.

Inventors

BROWN BARRY

SHORE MATTHEW

Latest standardized assignees - inventors removed

KLAWZ

Family 95/100 - FAMPAT - ©Questel

Title

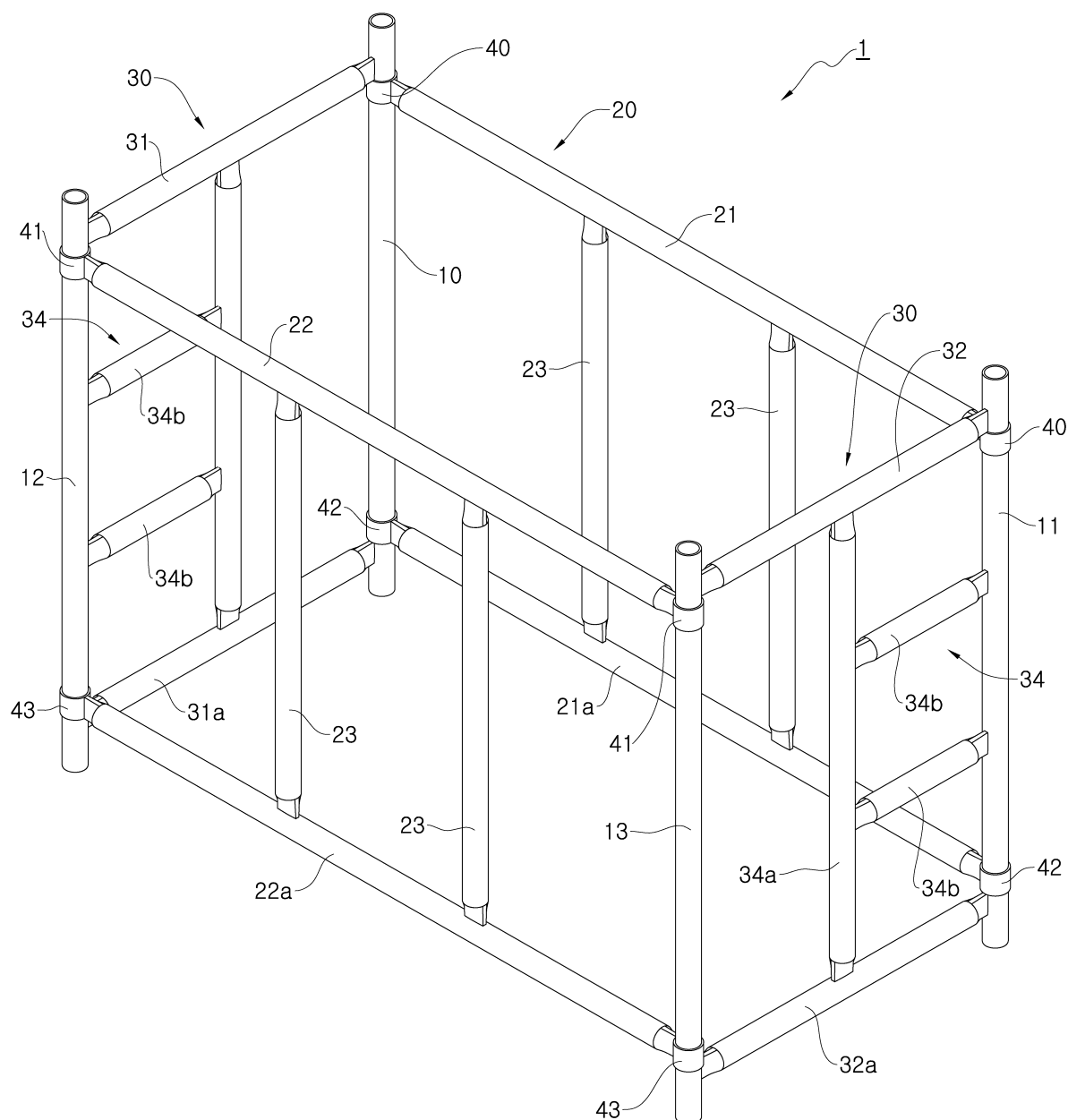
(EP1304430)

Casting mould device

Images

(KR20190075583)

Multifunctional knockdown work structures

Images**Publication data including kind & date**

KR10-2019-0075583 A 2019-07-01 KR20190075583

**Abstract**

(KR20190075583)

The present invention relates to a building construction in a variety of heights and conveniently assembled in a horizontal direction can be performed work, the work article is effectively kept and used to facilitate the assembling work structures that are multifunctional. The present invention is applicable to the construction site in a multifunctional working structure (1) can be used as a multifunctional knockdown, the working structure (1), which has a predetermined height in the vertical direction between the two posts (10) (11) (12) (13) 4; connected between the posts (10) (11) (12) (13) such that the top surface (21a) connected to the frame and the (21) (22) (31) (32) lower connecting frame (22a) (31a) (32a) is formed on the connection frame (20) (30) and; each post on the outer surface of each of the posts (10) (11) (12) (13) in the longitudinal direction (vertical direction) at intervals along the four rotatably coupled to the connecting ring (40) (41) (42) (43) 2 and then folded and the unfolded and configured so that, in the outer peripheral surface of the connecting link (40) (41) (42) (43) is circumferentially around the post (10) (11) (12) (13) to rotatably, slidably along the length direction and coupled, the connection between the connecting link (40) (41) (42) (43) respectively and integrally connected to the frame (20), wherein

the connecting frame (30) is not coupled to the connecting ring (40) (41) (42) (43), a pair of posts (10) (12) and another pair of posts (11) (13) fixed to the outer peripheral surface of the.

Inventors

YOUN, BOUNG SEOB

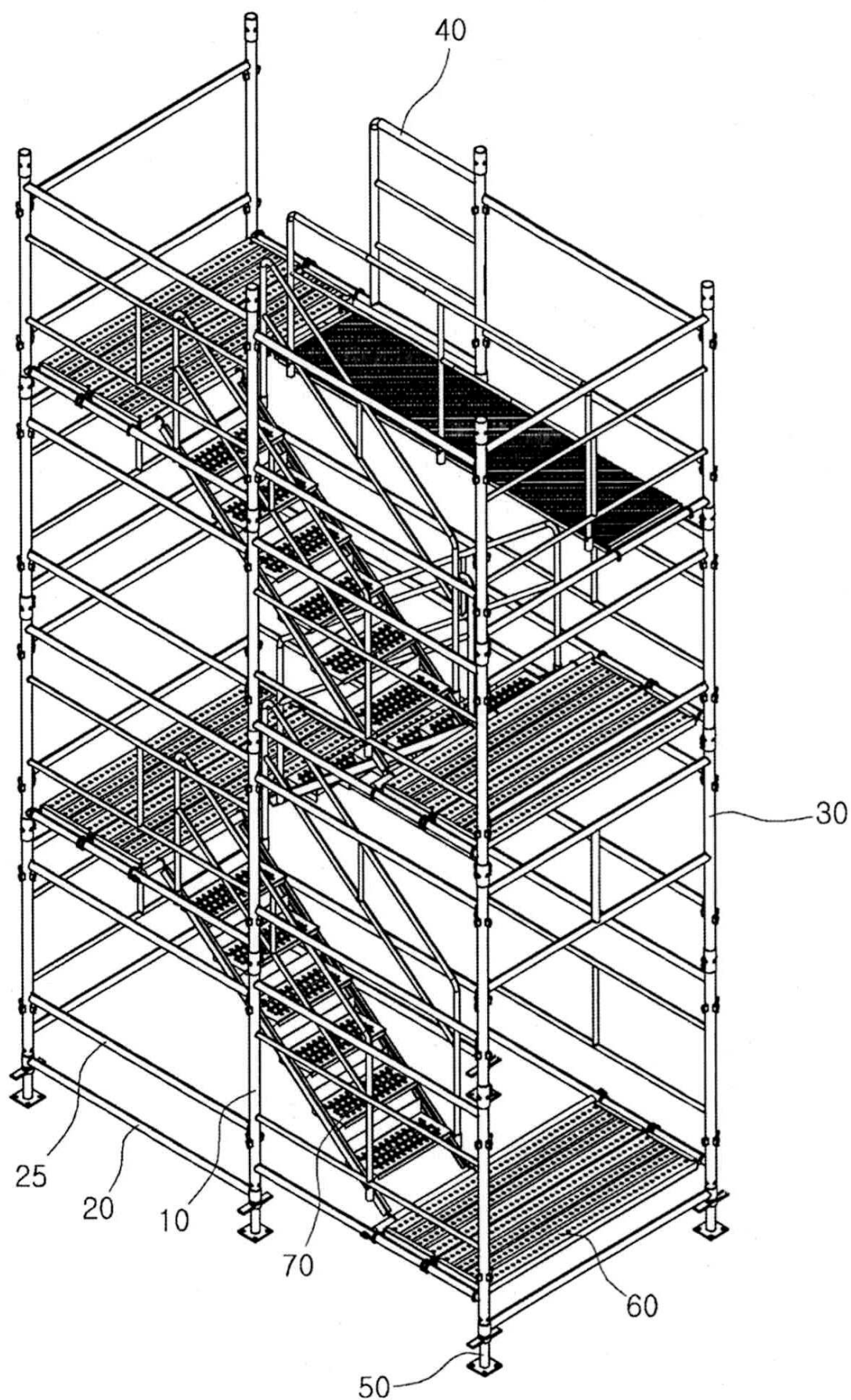
Family 97/100 - FAMPAT - ©Questel

Title

(KR101761536)

Prefabricated Working Tower

Images



Publication data including kind & date

[KR101761536](#)

B1 2017-07-25

KR101761536



Abstract

(KR101761536)

The present invention relates to an assembly-type working tower for carrying a material to a high place during a construction or serving as a pathway for an operator and as a foothold for an operation. The number of footholds which can be installed by using a rectangular frame is increased, and structural stability is ensured. Thus, an operator can safely move and perform an operation. The assembly-type working tower comprises: six base members (50) installed in a 2×3 type at regular intervals on the ground to have a top side end part protruding from the ground; three horizontal connection frames (20) having a horizontal direction coupling (22) welded to each of both sides of a horizontal member (21), and fitted into and coupled with the base members (50); a plurality of main frames (10) having a vertical member (11) fitted into and coupled with the horizontal connection frames (20) or laminated in a zigzag type to form both side walls and a rear wall; a plurality of horizontal reinforcement rods (25) for connecting a main frame (10a) for a rear wall and a main frame (10b) for a side wall respectively at the top side and the bottom side thereof to form an assisting side wall; an entrance frame (30) coupled with the main frames (10) at the top side of an entrance side; an exit frame (40) installed at an exit side disposed at the top floor; a foothold (60) for forming each of stories by connecting both side main frames (10) in a width direction; and safety stairs (70) formed in a zigzag type to connect the foothold (60) at each of the stories, and having banister members (75) installed at both sides thereof.

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Inventors

KIM, SUNG WON

Family 98/100 - FAMPAT - ©Questel

Title

(EP3192940)

Scaffold comprising two sets of deployable ladder units and supporting a handrail

Images

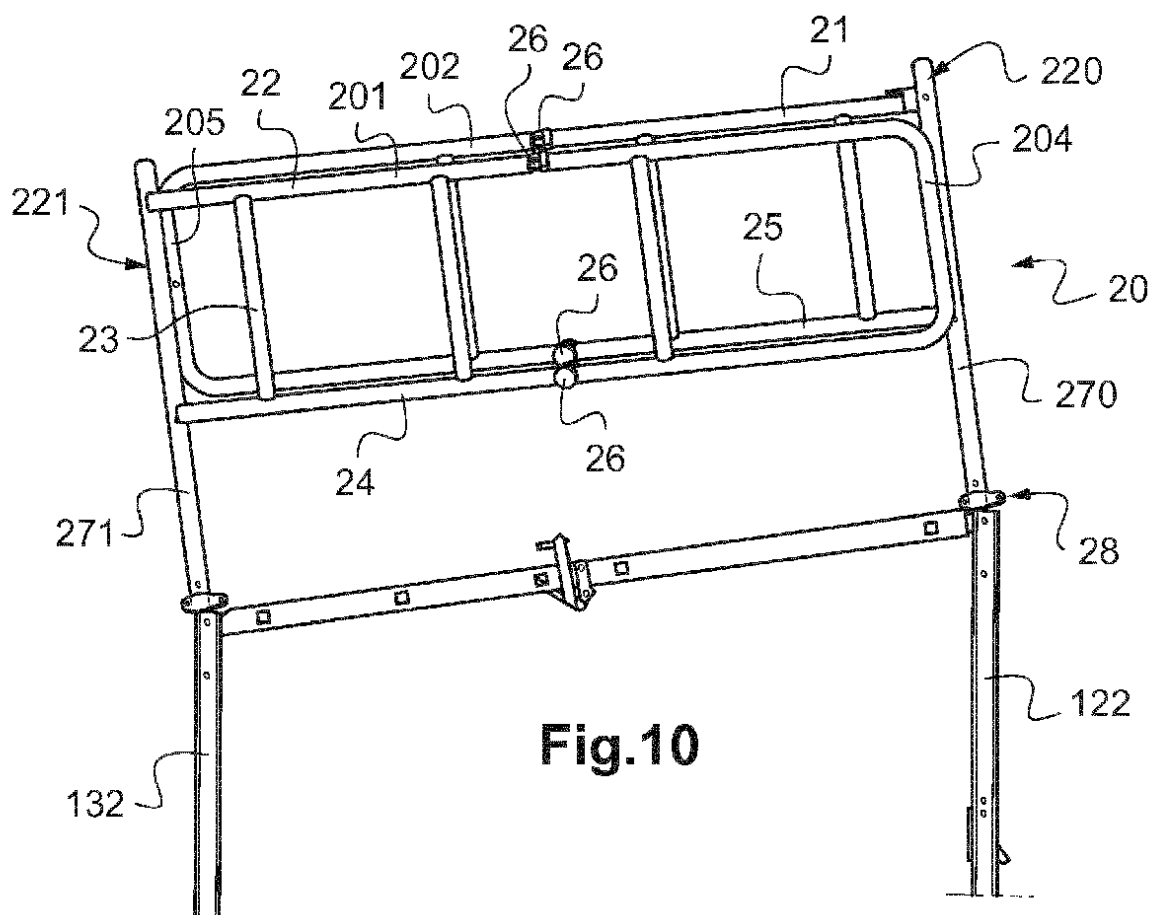


Fig.10

Publication data including kind & date

FR3046621	A1	2017-07-14	FR3046621
EP3192940	A1	2017-07-19	EP3192940



FR3046621

B1 2018-01-26 FR3046621

Abstract

(EP3192940)

A system for scaffolding (1) comprising - two sets of scale (10, 11) facing one another, the sets of ladder being capable of passing from a retracted state to an expanded state in order to raise a set of plate (30) and a set of guard rail and (20) each comprising locking means arranged to prevent a return of said ladder assembly to the retracted state from a plurality of locking positions defining a latching step, and the set of railings, said assembly comprising at least one post of guardrail post assembled to a corresponding scale by a partial link such that, when only one of the sets of scale is in the course of deployment, the post of guardrail is driven in movement relative to the scale post, said movement extending at least until the difference of heights between the sets of scale reaches the latching step, in order to compensate for this difference in height.

Inventors

STA ERIC

BOURGOIS XAVIER

Latest standardized assignees - inventors removed

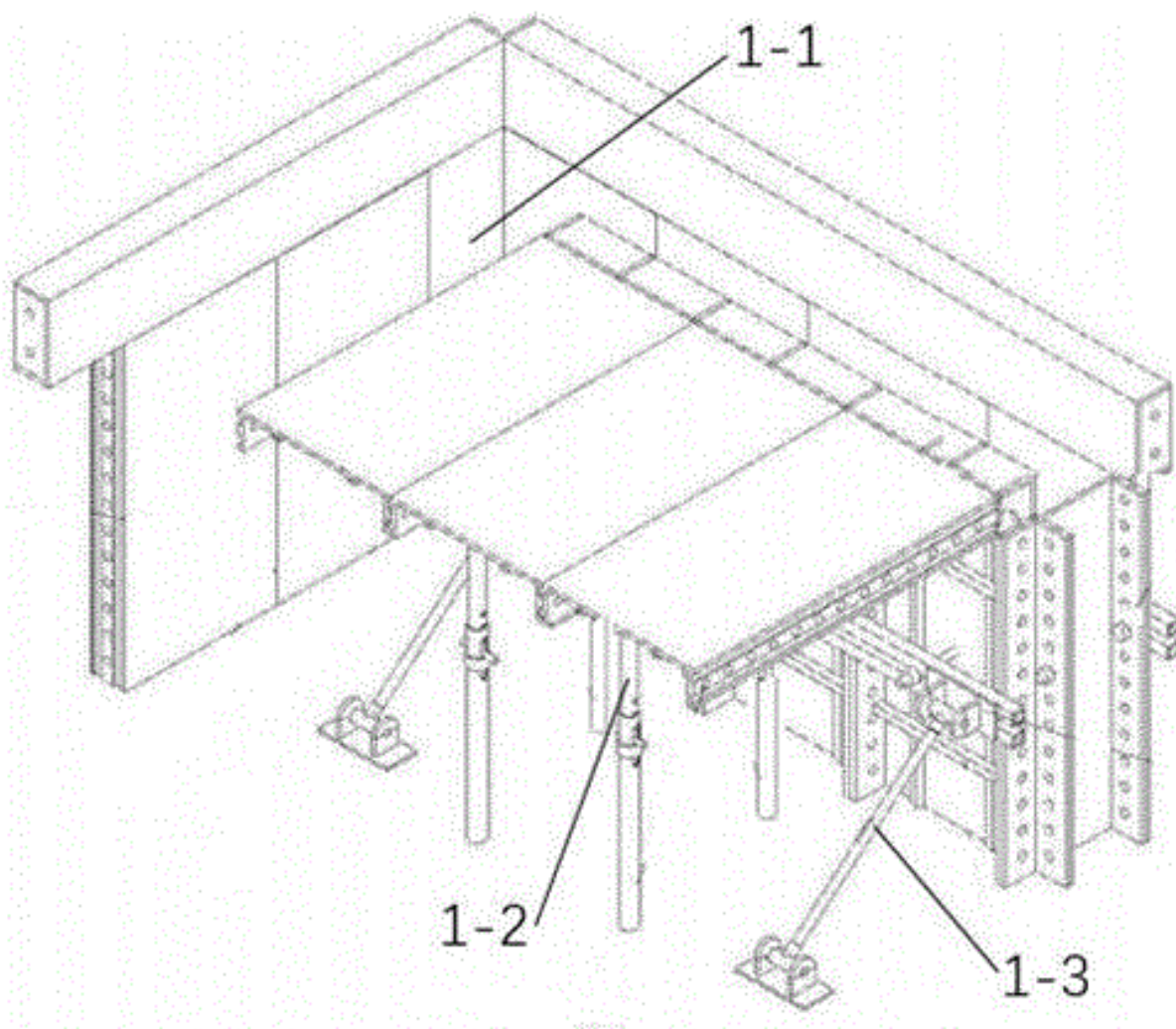
TUBESCA COMABI

Family 99/100 - FAMPAT - ©Questel

Title

(CN106401169)

Aluminum alloy template assembling system for building

Images**Publication data including kind & date**

CN106401169

A 2017-02-15 CN106401169



Abstract

(CN106401169)

The invention discloses an aluminum alloy template assembling system for a building. The aluminum alloy template assembling system comprises a wall surface pouring system consisting of an aluminum alloy template, and a panel supporting system, wherein supporting structures for supporting are arranged on the outer wall of the wall surface pouring system; and the panel supporting system comprises supporting columns supporting the bottom end. By the adoption of a buckled aluminum plate structure, the aluminum alloy template system disclosed by the invention is simple in structure, attractive in appearance and high in functionality; the phenomena of easy deformation and breakage due to long-time use of cylindrical vertical columns in the technical field process such as warehousing equipment are solved, and the appearance performance of the aluminum alloy template system is improved; the aluminum alloy template system is relatively good in popularization and application prospect; and furthermore, a main beam of the aluminum alloy template system is relatively good in heavy effect, so that the safety and the stability of the integrated system are guaranteed.

Inventors

XU ZHANGFENG

Latest standardized assignees - inventors removed

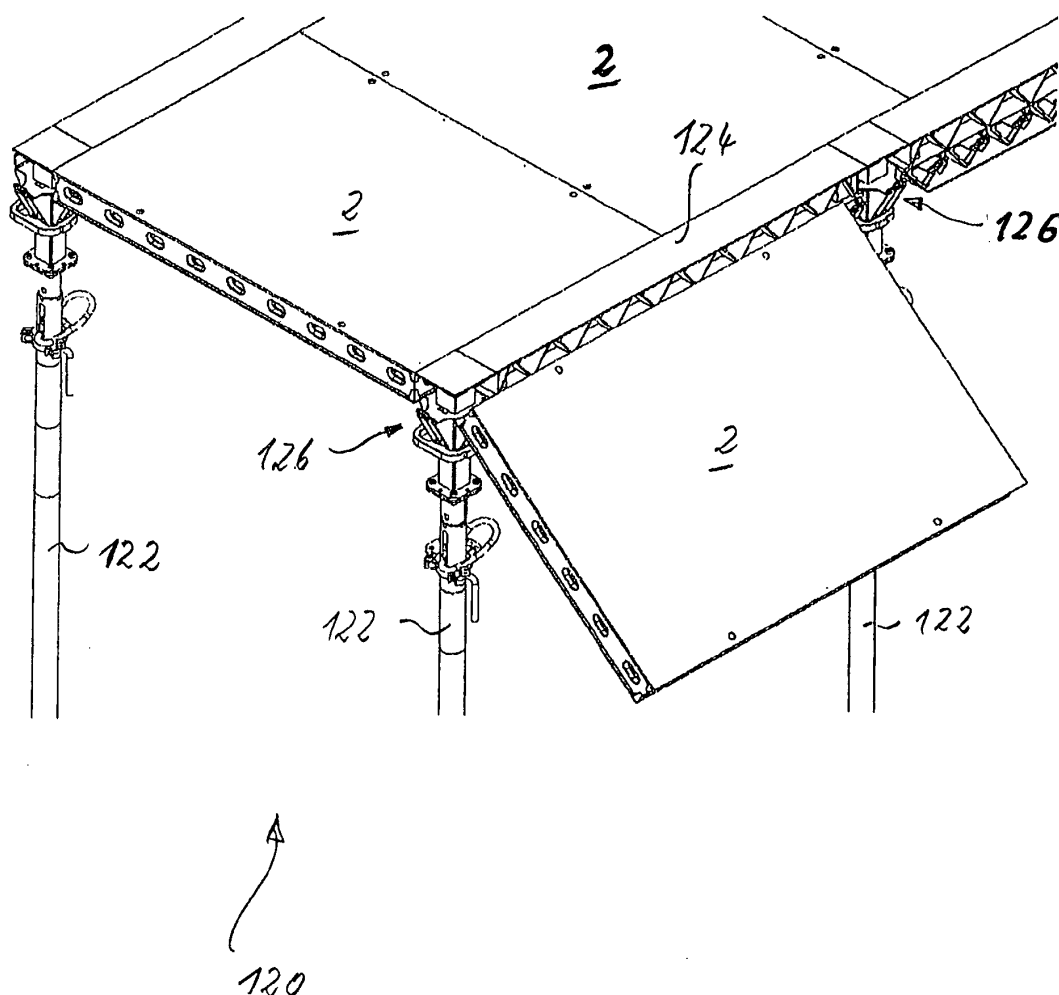
HUBEI SENFENG ALUMINUM MOULD TECHNOLOGY

Family 100/100 - FAMPAT - ©Questel

Title

(EP3327219)

Shuttering panel for concrete formworks

Images**Publication data including kind & date**

CA2917566

A1 2015-01-15 CA2917566



DE102013107303	A1	2015-01-15	DE102013107303				
WO2015/004188	A1	2015-01-15	WO201504188				
BR112016000321	A1	2016-01-19	BR112016000321				
AR096853	A1	2016-02-03	AR--96853				
AU2014289215	A1	2016-02-04	AU2014289215				
SG11201600117W	A	2016-02-26	SG11201600117W				
IL243316	A	2016-02-29	IL-243316				
CN105452580	A	2016-03-30	CN105452580				
KR20160041897	A	2016-04-18	KR20160041897				
VN46754	A	2016-04-25	VN--46754				
PE04222016	A1	2016-05-13	PE201600422				
EP3019678	A1	2016-05-18	EP3019678				
EA201690190	A1	2016-05-31	EA201690190				
IN201617000869	A	2016-07-15	IN201617000869				
MX2016000096	A	2016-08-03	MX2016000096				
US20160244984	A1	2016-08-25	US20160244984				
CL2016000012	A1	2016-09-30	CL0012201600				
JP2016532026	A	2016-10-13	JP2016532026				
MA38756	A1	2016-12-30	MA--38756				
EP3173546	A1	2017-05-31	EP3173546				
EP3176347	A1	2017-06-07	EP3176347				
EP3176348	A1	2017-06-07	EP3176348				
BR122017014820	A2	2017-07-25	BR122017014820				
BR122017014818	A2	2017-07-25	BR122017014818				
MA38756	B1	2017-09-29	MA--38756				
SG10201707749P	A	2017-10-30	SG10201707749P				
SG10201707754V	A	2017-11-29	SG10201707754V				
AU2014289215	B2	2018-03-22	AU2014289215				
EP3019678	B1	2018-04-25	EP3019678				
EP3327219	A1	2018-05-30	EP3327219				
AU2018204338	A1	2018-07-05	AU2018204338				
AU2018204337	A1	2018-07-05	AU2018204337				
TR201810172	T4	2018-08-27	TR201810172				
HRP20181040	T1	2018-09-07	HRP20181040				
ES2680939	T3	2018-09-11	ES2680939				
BR112016000321	A2	2018-11-06	BR112016000321				
PL3019678	T3	2018-11-30	PL3019678				
EP3173546	B1	2019-03-13	EP3173546				

Abstract

(EP3327219)

A formwork panel for concrete-work shutterings includes a supporting structure and a separate formwork skin connected to the supporting structure characterized in that the supporting structure consists substantially of plastics material; and that the formwork skin, which is constituted by a single formwork skin element substantially of plastics material or by several formwork skin elements substantially of plastics material each, is releasably connected to the supporting structure.

(From US2016244984 A1)

Inventors

HOLLMANN KAI

Latest standardized assignees - inventors removed

POLYTECH