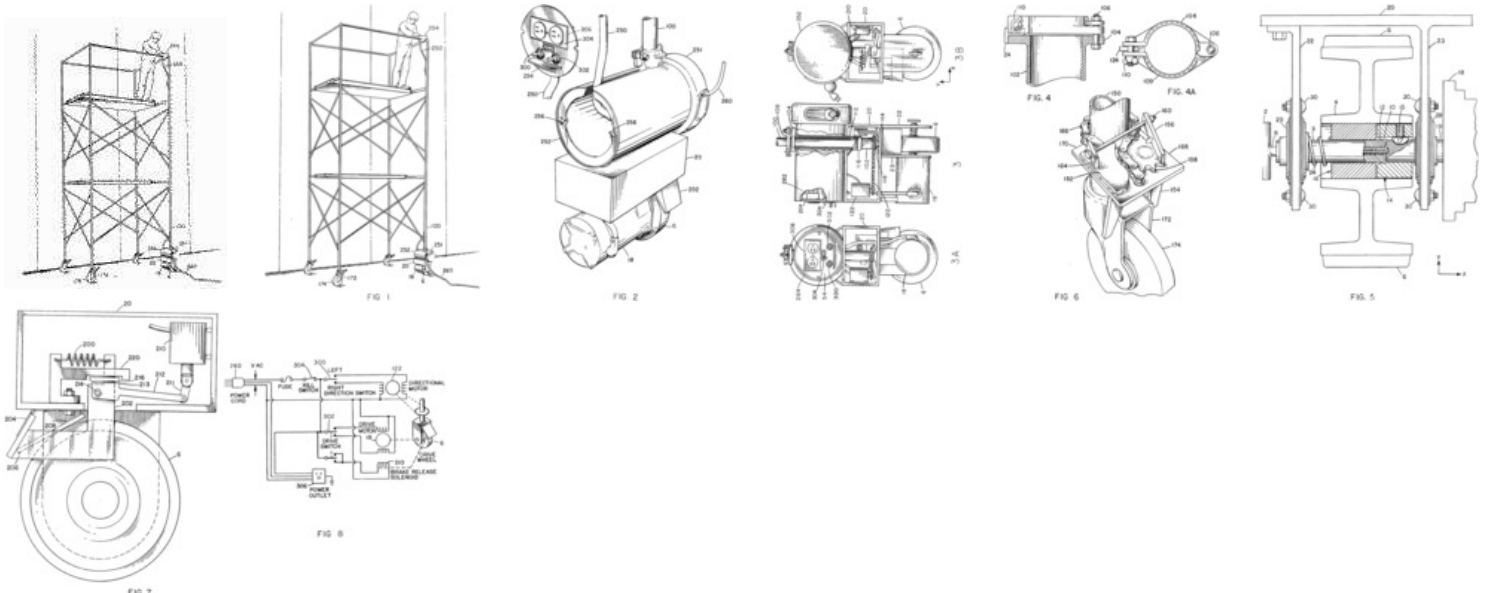
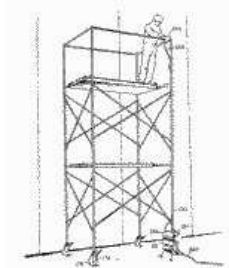


6966 results for Similar patents - Collection: FAMPAT

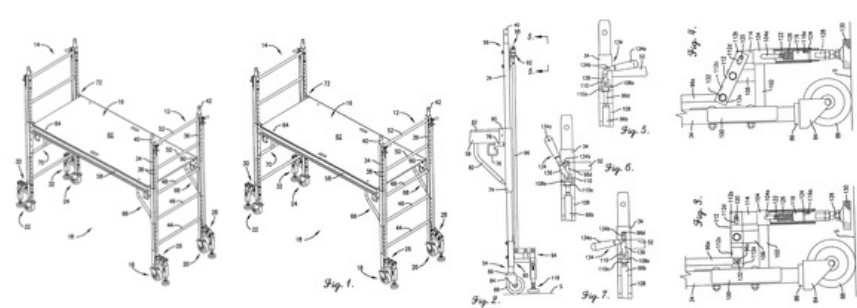
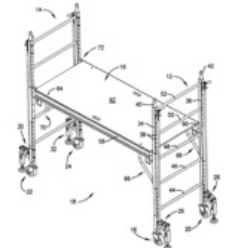
#	Title	Publication number	1st app. date	Applicant/Assignee	1st publ. date	Publ. date
1.	Scaffolding power attachment	US4275797	1979-04-27	JOHNSON RAYMOND R	1981-06-30	1981-06-30

A power unit for attachment to scaffolding towers such as commonly used for overhead work in the installation of wiring, ductwork, painting, and finishing. A single power unit attached to one leg of a scaffolding tower can move, about the worksite, a large scaffolding tower assembly comprised of one or more individual scaffolding towers. Two power units working in tandem on separate legs of the scaffolding tower assemblage, provides increased maneuverability. Each power unit has separate motors to drive and to change the direction of a scaffolding tower assembly. One electric motor pivots the power unit about the scaffolding tower leg to which it is attached, thereby changing the direction of motion of the scaffolding tower assembly. Another electric motor of the power unit provides power to a drive wheel of the power unit, and consequently moves the scaffolding tower assembly. A brake prevents rotation of the drive wheel when the power unit is not in operation, thereby keeping the scaffolding tower assembly in one location. A clutch within the drive wheel mounting allows the scaffolding to be manually freewheeled about without interference from the scaffolding power unit. A power cord and an electrical control cable with a control console may be extended to any length for remote control of the scaffolding power unit and when not in use may be coiled within the unit for convenient storage.

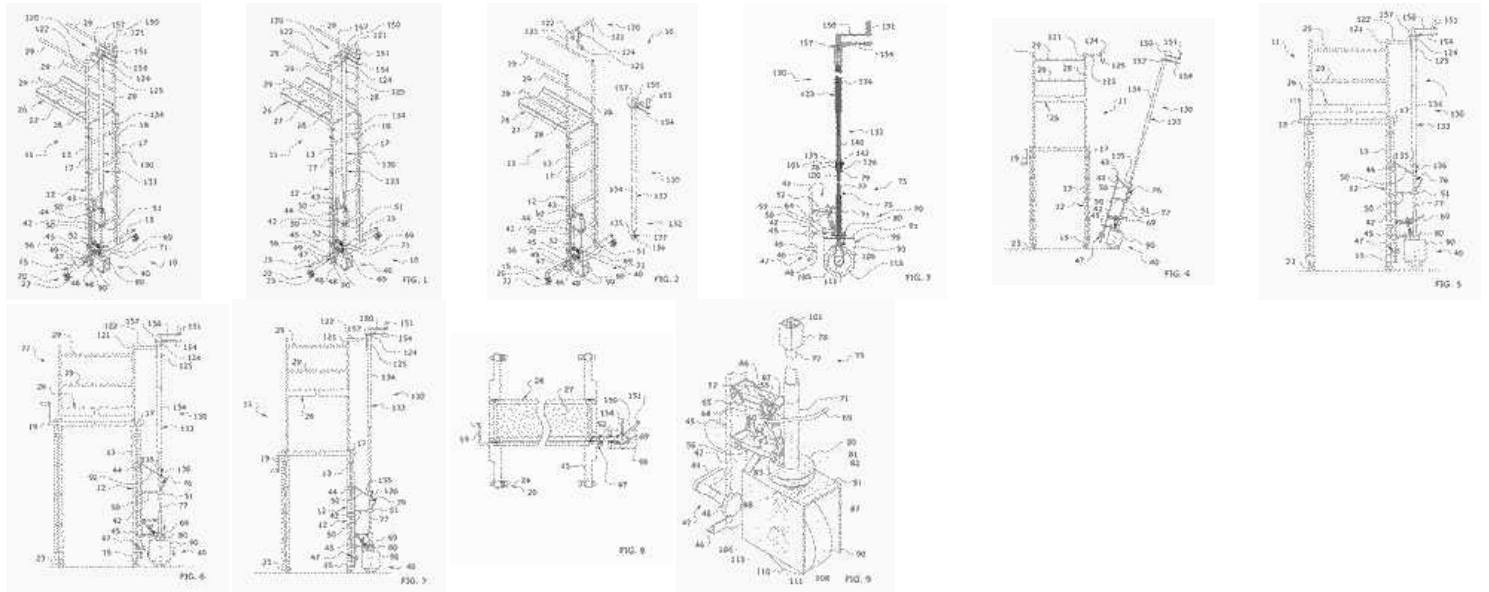


2.	Mobile scaffolding brake	CA2445019	2002-10-15	WYSE JAMES L.;WYSE STEVEN J.	2004-04-15	2004-04-15
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A mobile scaffolding (10) for elevating a worker (not shown) above a floor or ground surface (S) is disclosed. The scaffolding (10) broadly includes a pair of frames (12) and (14), a platform (16) supported by the frames (12,14), a pair of casters (18, 20) and (22,24) rollably supporting a respective one of the frames (12,14), and a brake assembly (26, 28,30, and 32) associated with a corresponding one of the casters (18,20,22,24), respectively. The inventive brake assemblies (26,28,30,32) enable the worker supported on the platform (16) to selectively activate and deactivate the respective brake assemblies (26,28,30,32) from the platform (16). This enables the worker supported on the platform (16) to deactivate the brake assemblies (26,28,30,32), reposition the scaffolding (10), and then reactivate the brake assemblies (26,28,30,32) without requiring the worker to dismount from the platform (16).



A mobile tower drive system for efficiently attaching a removable drive system to a scaffolding unit and driving the scaffolding unit from the work platform. The mobile tower drive system generally includes a lower unit adapted to be secured to a lower end of a scaffolding unit, wherein the lower unit has a wheel to operably engage a floor surface and move between an engaged and disengaged position. The lower unit removably attaches to an upper unit, wherein the upper unit is secured relative the upper frame of the scaffolding unit. Both, the lower unit and the upper unit employ coaxial drives for turning and driving the wheel. The coaxial drive also is used to brake the wheel. The coaxial drives are generally controlled via manually operable rotational control levers; however automated power sources may be utilized. Also disclosed are swivel locks for the caster wheels of the scaffolding unit.



4. Retrofit assembly for self-mobilization of a transport unit

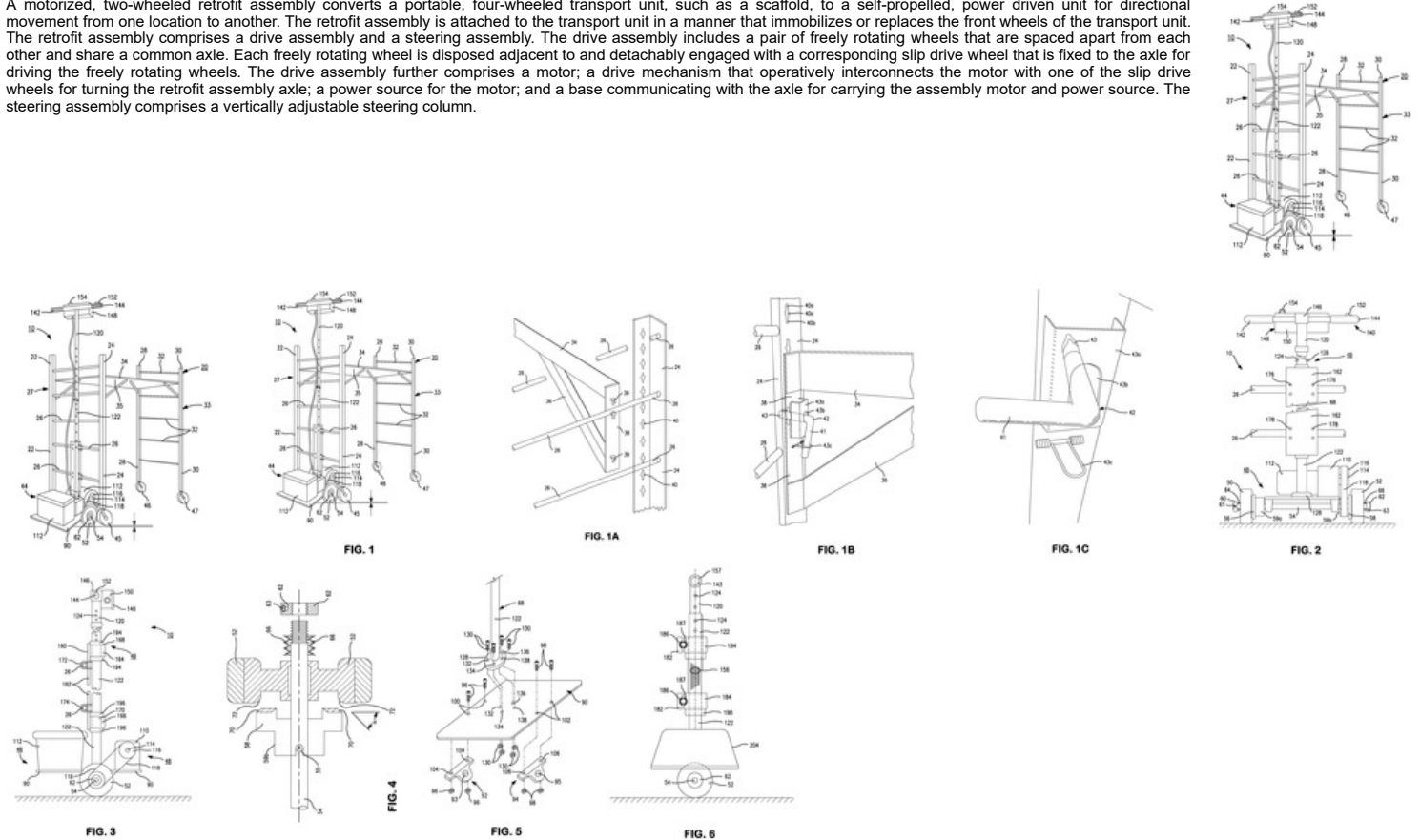
US2011297465

2011-04-08

HUNTLEY PAUL N;RAUDAT JOHN

2011-12-08 2011-12-08

A motorized, two-wheeled retrofit assembly converts a portable, four-wheeled transport unit, such as a scaffold, to a self-propelled, power driven unit for directional movement from one location to another. The retrofit assembly is attached to the transport unit in a manner that immobilizes or replaces the front wheels of the transport unit. The retrofit assembly comprises a drive assembly and a steering assembly. The drive assembly includes a pair of freely rotating wheels that are spaced apart from each other and share a common axle. Each freely rotating wheel is disposed adjacent to and detachably engaged with a corresponding slip drive wheel that is fixed to the axle for driving the freely rotating wheels. The drive assembly further comprises a motor; a drive mechanism that operatively interconnects the motor with one of the slip drive wheels for turning the retrofit assembly axle; a power source for the motor; and a base communicating with the axle for carrying the assembly motor and power source. The steering assembly comprises a vertically adjustable steering column.



5.

Motorized scaffold attachment

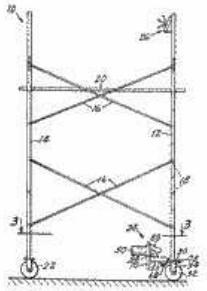
US3930548

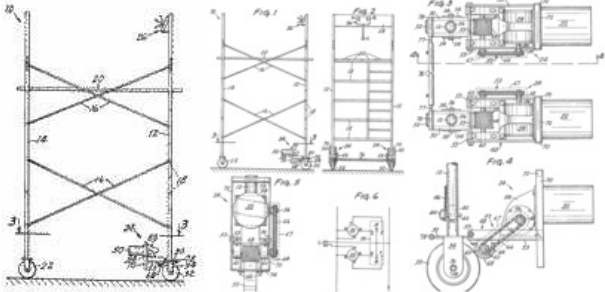
1975-02-03

WALLRAFF RICHARD J

1976-01-06 1976-01-06

A small portable motorized attachment for propelling portable scaffolds from place to place is provided comprising a pair of electrically operated propulsion units adapted to detachably replace the front caster wheels of a scaffold and a control means for operating the units, each unit comprising a base having a propulsion wheel operatively connected to a friction drive means and a motor swingably cantilevered from the base with the weight of the cantilevered assembly pressing a gear driven friction drive wheel into engagement with the propulsion wheel so that the units when stably connected with one another in place on the scaffold act in unison to brake, clutch and propel the scaffold.





6.

Scaffolding cart

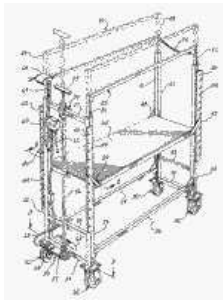
US4088202

1976-08-25

COSTELLO CLIFFORD T

1978-05-09 1978-05-09

An electrically powered steerable scaffolding cart having a vertically positionable platform and handrails transports and supports a workman while he performs overhead work.



7.

Scaffold drive and steering unit

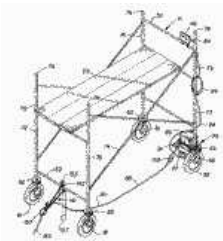
US3865203

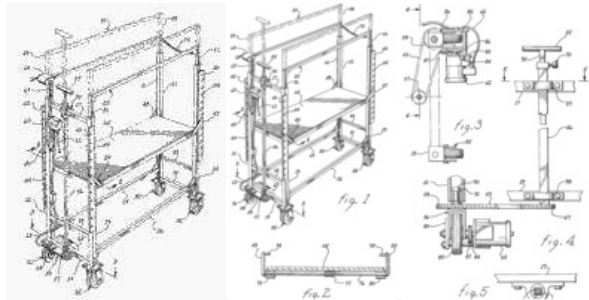
1973-03-08

HIBMA ANNE MARIE WESTMINSTER*

1975-02-11 1975-02-11

Drive and steering attachments for application to and use with scaffold units of the type used in connection with construction and maintenance activities. A reversible drive motor associated with one scaffold support drive and steered wheel propels the scaffold and a motorized steering apparatus having an operative anchor that is fixed with respect to the scaffold unit moves the drive and steered wheel pivotally with respect to a vertically disposed axis of said scaffold for the directional control of said scaffold. The drive and steering motors are connected to a control panel that is movable to various elevated and/or remote locations. A power cord having a pivotally mounted and spring biased trailing arm is attached to the scaffold to prevent trapping of or damage to the power cord.





8.

Scaffold drive and steering unit

US4088202

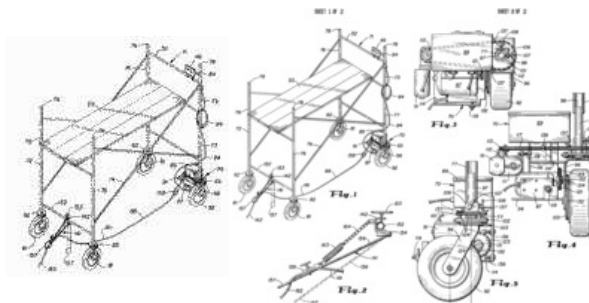
1976-08-25

COSTELLO CLIFFORD T

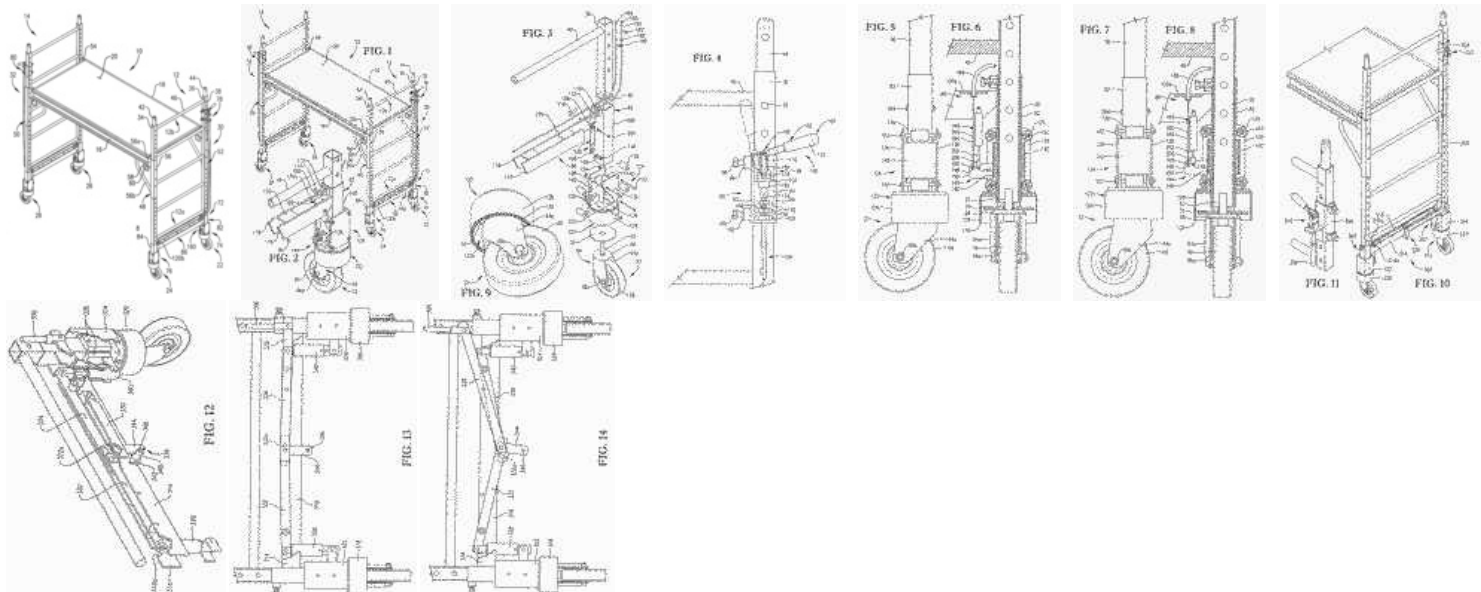
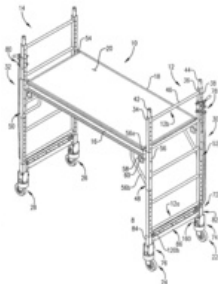
1978-05-09 1978-05-09

An electrically powered steerable scaffolding cart having a vertically positionable platform and handrails transports and supports a workman while he performs overhead work.

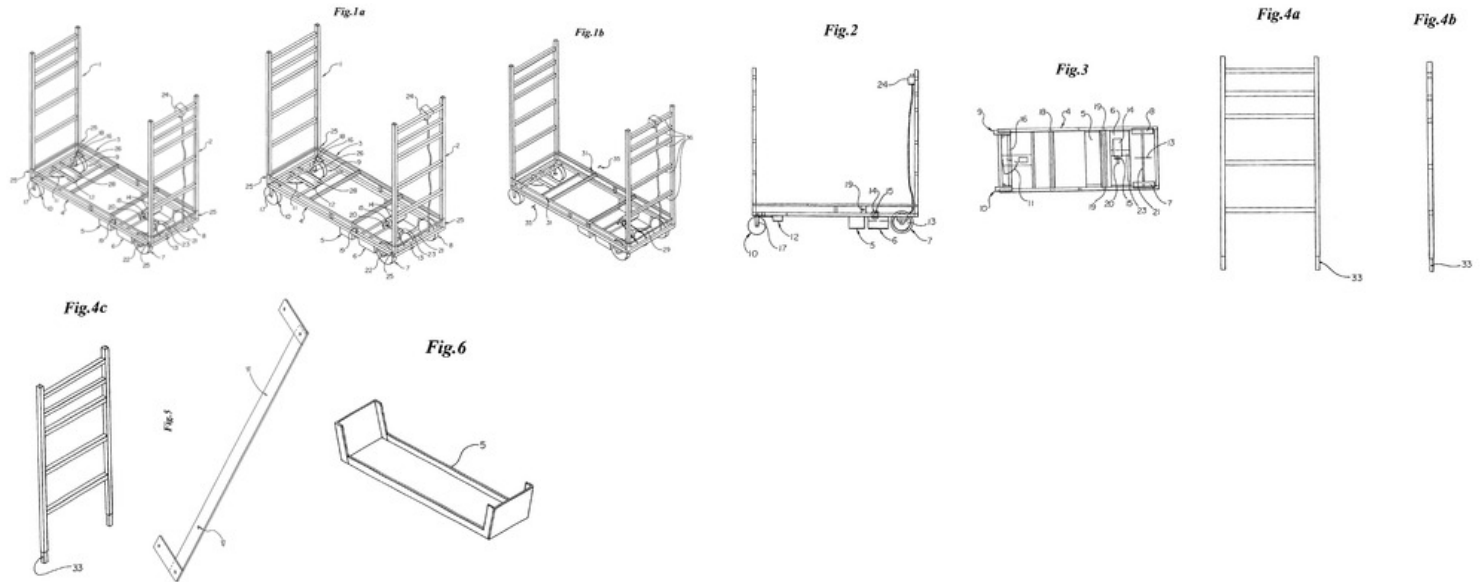
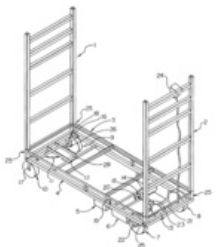




A mobile scaffold (10) having bi-axially rotatable casters (22-28) and including brake assemblies (30 and 32) associated with the casters (22-28) is disclosed. The inventive brake assemblies (30,32) enable an elevated worker to selectively control the mobility of the scaffold (10) and each broadly includes shiftable brake stop subassemblies (74 and 76), a brake housing (72) adjustably connected to a respective scaffold frame (12,14) and shiftable connected to the brake stop subassemblies (74,76), and an actuator (78) adjustably connected to the housing (72) and configured to shift the brake stop subassemblies (74,76) into and out of braking positions. When in the braking position, the brake stop subassemblies (74,76) prevent the respective casters (22-28) from rotating about both axes. The actuator includes cables (180,182) for interconnecting brake stop subassembly and the handle in one embodiment and a plunger (308,406) in other embodiments. Preferred alternative embodiments are disclosed that include pivotal linkage subassemblies (328,430) for intercommunicating the plunger and the brake stops.



A light-weight self-propelled scaffold vehicle is guidable through the use of a toggle switch. It is dimensioned and designed to be able to be utilized in small areas and through 30 inch doorways as well as for larger areas.



10.

Scaffold moving device

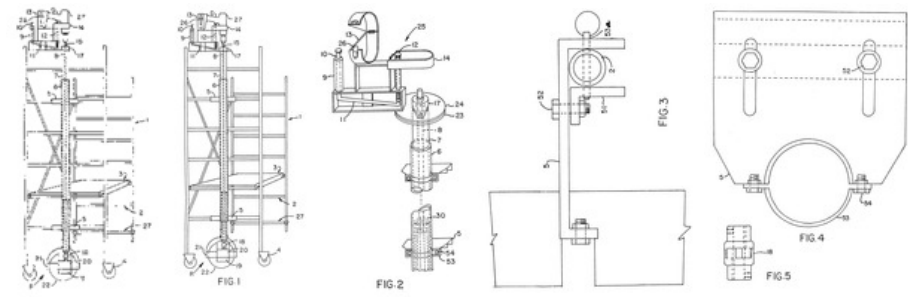
US2001030080

2000-12-04

CRAWLER*

2001-10-18 2001-10-18

A portable scaffold moving device for connecting to scaffolding and which provides rotary motion to a drive wheel, to move scaffolding in select directions. The portable scaffold moving device includes a power wheel, rotary driven through a perpendicular or right-angled gear reduction, receiving its rotary force from a drive shaft, and the drive shaft couples with a portable drill, which furnishes the rotational force necessary for driving the drive shaft, and its associated drive wheel. The bracket mechanism supporting the portable drill supports the drill during its delivery of rotary force to the drive shaft, and its wheel, and likewise, pivotally mounts to an outer support sleeve or tube that furnishes steering, to the drive mechanism, and consequentially to the scaffolding, during its power movement.



11.

Movable and disassemblable basement for scaffoldings

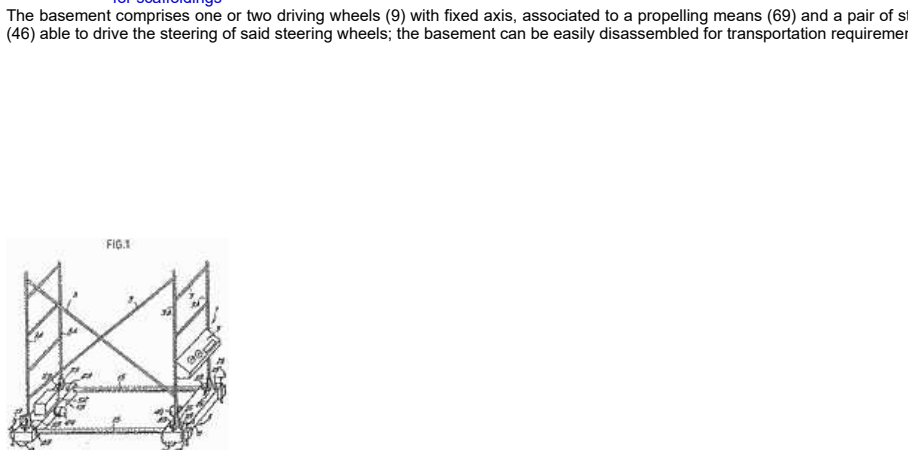
IT8809544

1988-12-14

VENTURINI FABRIZIO

1988-12-14 1988-12-14

The basement comprises one or two driving wheels (9) with fixed axis, associated to a propelling means (69) and a pair of steering wheels (7) combined to actuator means (46) able to drive the steering of said steering wheels; the basement can be easily disassembled for transportation requirements.



12.

Movable working platform

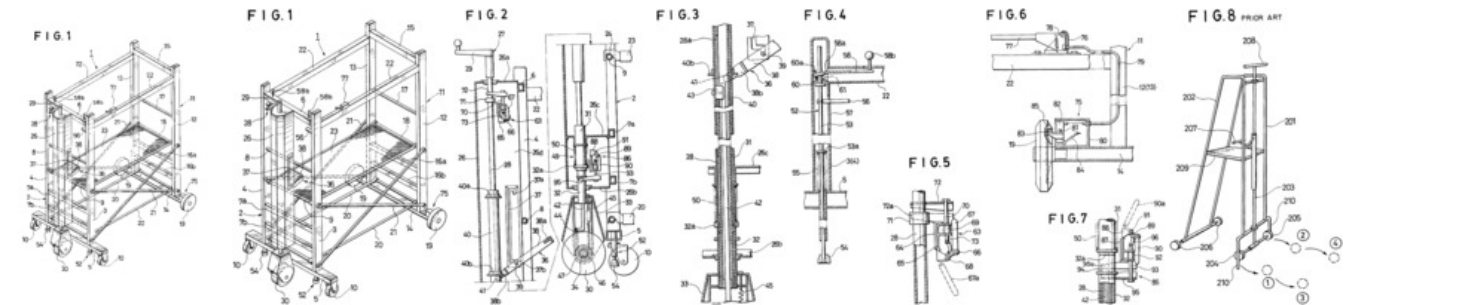
JPH07102753

1993-10-04

SANRITSU GIKEN KOGYO
TAKAI ISHIYUKI*

1995-04-18 1995-04-18

A movable working platform comprises a scaffold including a front frame having a pair of support posts, and a pair of front wheels mounted on opposite sides of a lower end of the front frame, a rear frame having a pair of support posts, and a pair of rear wheels mounted on opposite sides of a lower end of the rear frame. A scaffolding platform is disposed between the front and rear. A steering mechanism of the platform includes a steering shaft vertically arranged along the front frame, a handle mounted on an upper end of the steering shaft, and a drive wheel mounted on a lower end of the steering shaft. A drive mechanism of the platform includes a pedal swingably supported by the front frame, a wire member wound on a pulley and reciprocally moved in response to a swinging motion of the pedal, and a one-way clutch for transmitting only a one-way rotation of the pulley to the drive wheel.



13.

Scaffold including reversible and adjustable driving and steering unit

US4053025

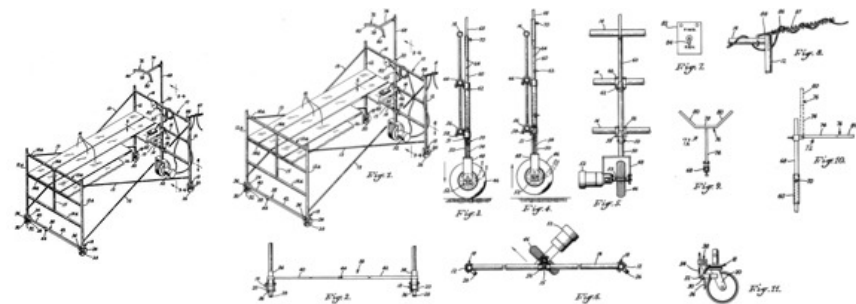
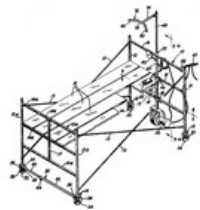
1976-07-14

SLUSARENKO JOHN A

1977-10-11

1977-10-11

A simple and versatile knock-down scaffold structure is provided, complete in itself, supported on four normally inert corner wheels, and capable, through adjustment and/or substitution of parts, to be varied in length, width and/or height, is modified by the optional addition of a power driving and steering unit comprising a fifth wheel and a reversible, variable speed driving motor therefor, through which the scaffold may be driven forward or backward, being desirably steered and controlled as to speed and direction by a workman on the scaffold. The power driving and steering unit may be varied in height to accommodate whatever variations of height are available in the conventional scaffold structure. It may also be varied in ground pressure to increase the driving traction as desired.



14.

Mobile scaffold vehicle

US6431314

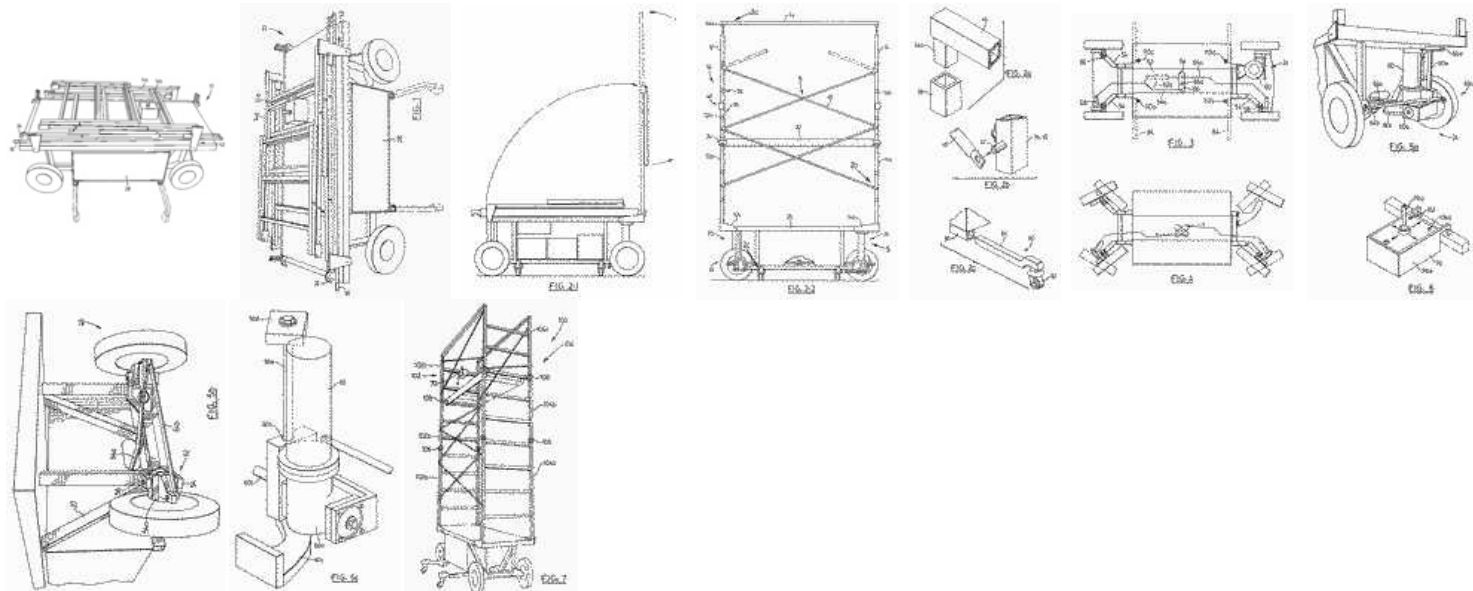
2000-08-07

SCAFFWAY*

2002-08-13

2002-08-13

The mobile scaffold vehicle has a motorized base with an upper surface and a first frame member and a second member. The first and second frame members are pivotally mounted near respective opposite ends of the upper surface. The first frame member is movable independently of the second frame member from an inoperative storage position near the upper surface and a generally vertical operative position. The second frame member is movable independently of the first frame member from an inoperative storage position near the upper surface and a generally vertical operative position, so that in their operative positions, the first and second frame members are generally parallel with one another and located near opposite ends of the upper surface. A platform is attachable with the frame members in the operative position and a plurality of anchor arrangements for anchoring the frame members in the operative position, thereby to permit an operator to stand on the platform.



15.

Adjusting screw retainer

US4723633

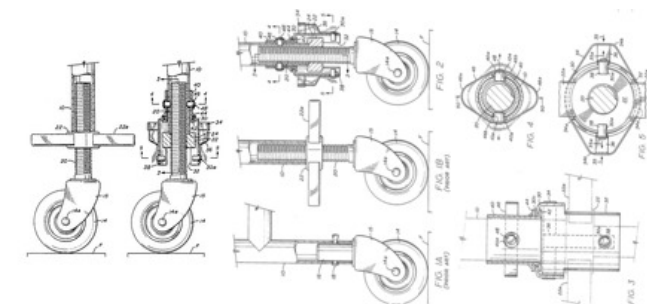
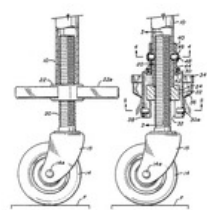
1987-05-26

WACO INTERNATIONAL*

1988-02-09

1988-02-09

An apparatus for securing an adjusting screw having a nut thereon to a hollow leg of a scaffolding frame to prevent loss of the adjusting screw when the scaffolding frame is tilted or raised. The apparatus includes a swivel that allows turning of the handle nut while the adjusting screw remains secured to the leg of the scaffolding frame.



16.

Scaffold

FI20135815

2013-08-06

FAST BEAM*
FAST BEAM OWAI

2015-02-07 2015-02-07

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).

17.

Scaffolding

GB0813177

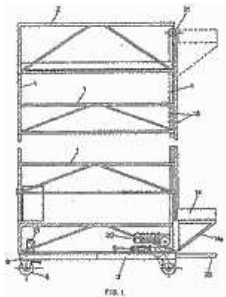
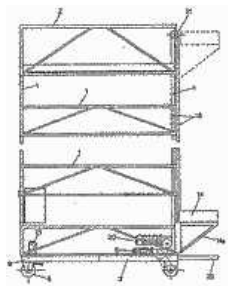
2008-07-18

DOS SANTOS LEWIS ALBERTO GRIJO
PRODUCT SOLUTIONS CATALYSIS*

2008-08-27 2008-08-27

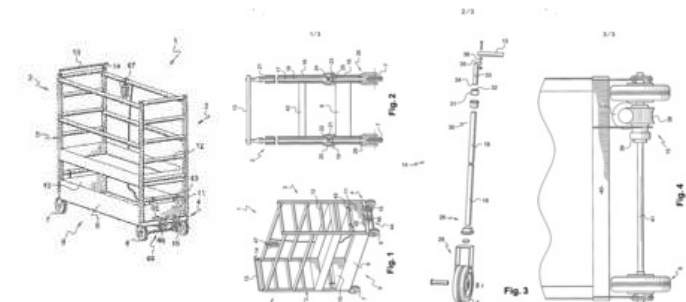
A scaffolding side frame (10) has at least one generally horizontally extending tube (11), a pair of vertically extending side tubes (12) depending from the horizontal tube, and four fastening members (17), one adjacent each corner of the frame, for securing the side frame to a respective adjacent structural element of an associated scaffold structure so that the upper part of the side frame provides a safety rail for an operator standing on a support platform of a given level of a scaffolding structure and the lower part of the side frame extends below the support platform of said given level of the scaffold structure. The two lower fastening members are hook-shaped and the hooks have a fastening latch (19). The latch (19) is displaceable to a retracted position in which the hook can be snapped over the adjacent structural element of the structure. The side frame (10) is mountable in its operating position by an operator holding the lower part of the frame whilst standing on a support platform of a level of the structure below said given level and engaging the fastening members (17) with their respective adjacent structural elements so that the side frame immediately becomes and remains a full load transmitting structural part of the associated scaffold structure. The configuration of the fastening latches (19) of the lower fastening members (17) preventing the operator disengaging the lower fastening members when stood on the support platform of said given level of the scaffold structure.

18.	Sectional scaffolding with motor-driven base and sidemounted elevator	IT8800522	1988-03-31	SIMONETTI LIDUINA*	1988-03-31 1988-03-31
This invention concerns scaffolding constructed to combine numerous identical sectional and stackable components, resting on a base fitted with two driving wheels (4) and two steering wheels (8); and comprising an elevator trolley (14) for lifting objects and people that can slide vertically along the side of the scaffolding.					



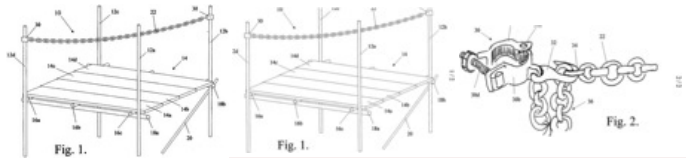
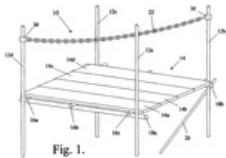
19.	Mobile scaffolding having vertical ladders	FR2859230	2003-09-01	LOMBARD XAVIER	2005-03-04 2005-03-04
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The invention relates to a mobile scaffolding (1) having vertical ladders (2, 3). The lower extremities (4) of the ladders are fitted with wheels (6, 7). At least one wheel (6) is a drive wheel. Two wheels (7) are steering wheels. Each steering wheel is connected to an orientation rod (14) that orientates and maintains a desired orientation of the steering wheel. The steering wheels can be oriented in rolling directions that are oblique to one another in order to block a mobility of the scaffolding. The invention also relates to a mobile storage case (105) for storing the scaffolding (100) having ladders.



20.	Scaffolding equipment	GB9930622	1999-12-24	ISELL DAVID JACK	2000-02-16 2000-02-16
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A method of protecting a scaffolder by clamping a safety chain (22) to diagonally opposed vertical poles (12b, 12d) of a scaffold tower (10). A lanyard of a safety harness worn by the scaffolder is attached to the chain (22) by a ring slidable along the chain (22). The couplers (30) that clamp the chain (22) to the vertical poles (12a-d) may be loosened whilst still surrounding the poles (12a-d), so that the chain (22) can be repositioned without disengagement from the poles (12a-d). The chain (22) can be adjustable for length (fig 2, not shown) and positioned above head height of the scaffolder.



21.

Suspension type steel platform scaffold foundation and method for mounting same

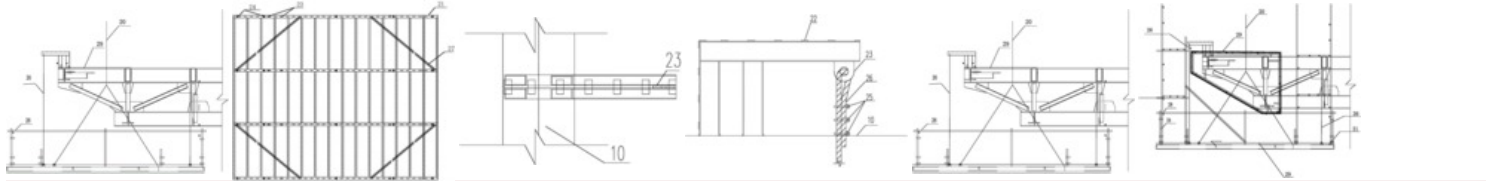
CN105839907

2016-05-31

SHANGHAI CONSTRUCTION NO 5*

2016-08-10 2016-08-10

The invention discloses a suspension type steel platform scaffold foundation and a method for mounting the same, and relates to the technical field of building construction. By the aid of the suspension type steel platform scaffold foundation and the method, problems of height limit when the traditional scaffolds are erected and inapplicability to constructing cantilever structures can be solved. The suspension type steel platform scaffold foundation comprises a plurality of frame type scaffold units which are sequentially connected with one another in an end-to-end manner and are longitudinally spliced to form the suspension type steel platform scaffold foundation. The frame type scaffold units comprise bases and protective fences, the corresponding protective fences are longitudinally fixedly arranged on two sides of each base, a plurality of hanging rings which are symmetrically arranged are welded on the bases, upright rods are arranged at the side edge, which are adjacent to the corresponding protective fences, of each base, and the hanging rings are positioned below joints of suspension steel wire ropes on steel structure trusses. The method includes firstly, assembling all the frame type scaffold units on the ground and sequentially numbering the frame type scaffold units; secondly, sequentially lifting the frame type scaffold units by the aid of cranes to elevation positions according to numbering sequences, fixedly connecting the suspension steel wire ropes with fixing hanging points below the sides of the steel structure trusses and sequentially connecting the longitudinally adjacent frame type scaffold units in the end-to-end manner.



22.

Tripod stand for legs of scaffolding and feet of ladder with automatic level correction on very irregular ground

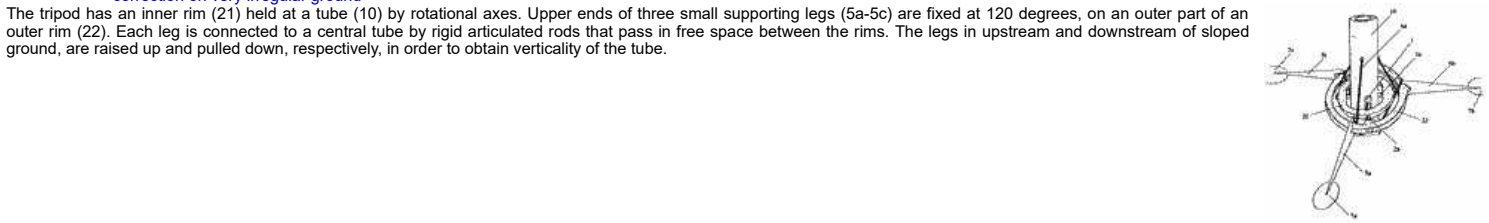
FR2868454

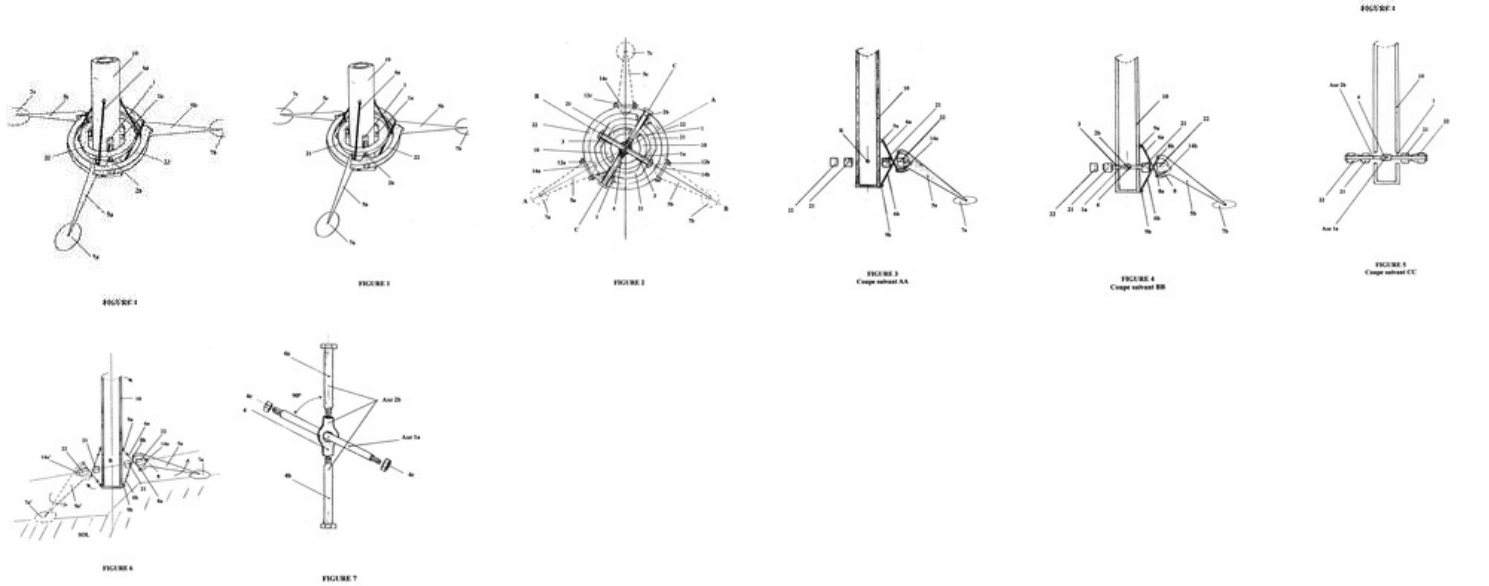
2004-04-06

LADUREE FREDERIC

2005-10-07 2005-10-07

The tripod has an inner rim (21) held at a tube (10) by rotational axes. Upper ends of three small supporting legs (5a-5c) are fixed at 120 degrees, on an outer part of an outer rim (22). Each leg is connected to a central tube by rigid articulated rods that pass in free space between the rims. The legs in upstream and downstream of sloped ground, are raised up and pulled down, respectively, in order to obtain verticality of the tube.





23.

Repair/cleaning scaffolding tower for wind turbines

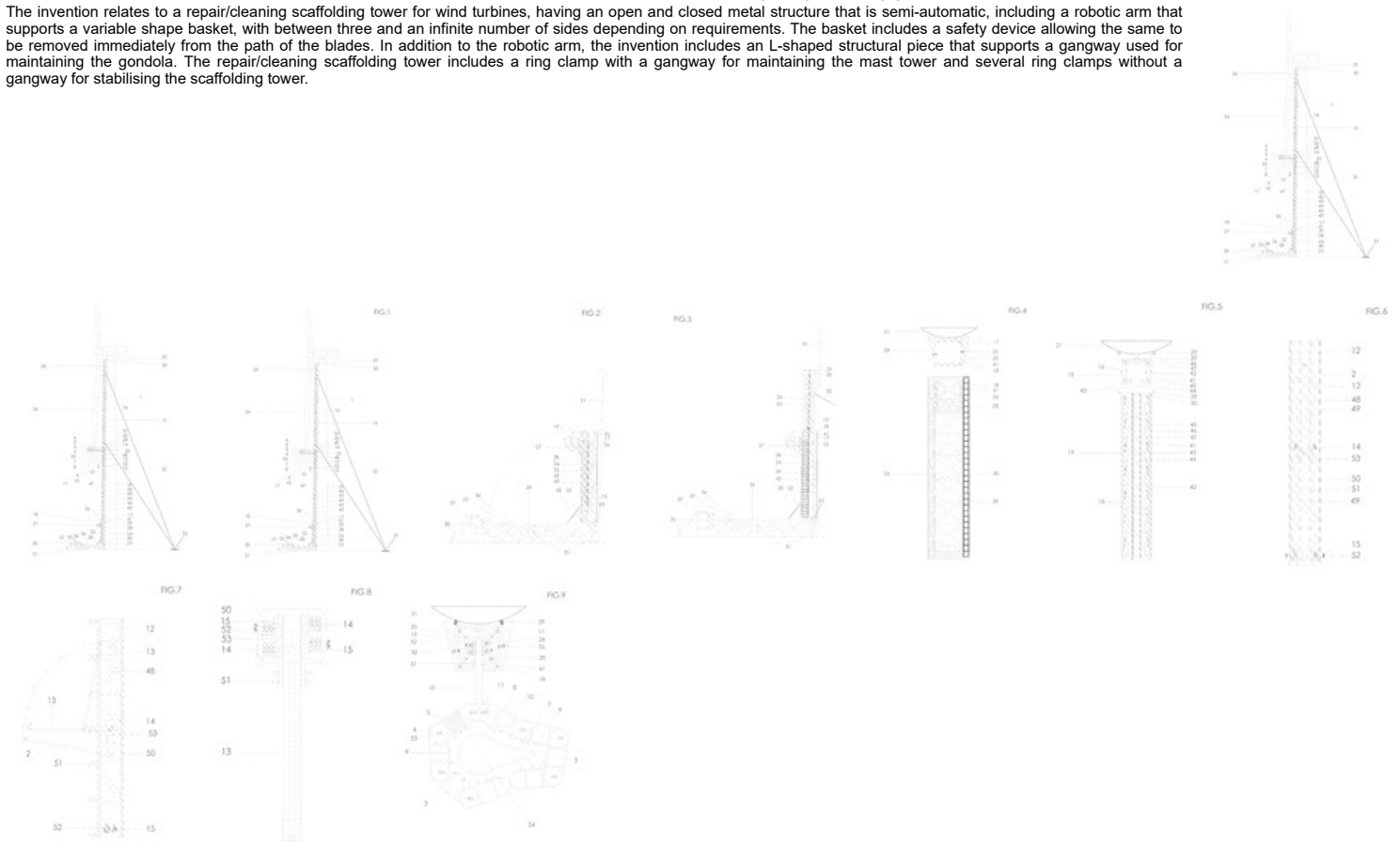
WO2012140278

2011-04-14

MANTENIMIENTOS ELECTRICOS
CAMPO DE AVIACION*

2012-10-18 2012-10-18

The invention relates to a repair/cleaning scaffolding tower for wind turbines, having an open and closed metal structure that is semi-automatic, including a robotic arm that supports a variable shape basket, with between three and an infinite number of sides depending on requirements. The basket includes a safety device allowing the same to be removed immediately from the path of the blades. In addition to the robotic arm, the invention includes an L-shaped structural piece that supports a gangway used for maintaining the gondola. The repair/cleaning scaffolding tower includes a ring clamp with a gangway for maintaining the mast tower and several ring clamps without a gangway for stabilising the scaffolding tower.



24.

Scaffold propulsion unit

GB8326293

1982-09-30

ATSUPU RAITO
UP RIGHT*

1983-11-02 1983-11-02

A propulsion unit for span scaffolds having vertical castered columns at the four corners thereof. The propulsion unit includes a first elongated frame member extending between the columns on one side of the scaffold, a second elongated frame member extending between the columns on the other side of the scaffold, and a third, wheeled, frame member extending crosswise between the first and second frame members, the third frame member being mounted on the first and second frame members for limited free vertical movement relative thereto.

