

Search history

Search structure and platform and turret (Results 3963)

1:

Search IC=(e04b and e04g) (Results 34905)

2:

Search 1 and 2 (Results 3)

3:

Search fn=(76109057) (Results 1)

4:

Search [SP]: sistema estructural con plataforma anclable y extensores y metodo structural system with dockable platform and extenders and method la presente invencion revela un sistema estructural que tiene una estructura central soportada en la parte inferior en una plataforma y en la parte superior tiene una torreta que incluye primera y segunda secciones con extensores, que permiten acoplar un equipo, donde el sistema estructural esta fijado a los muros laterales por medio de medios de anclaje. the present invention discloses a structural system having a central structure supported on the bottom of a platform and at the top has a turret that includes first and second sections with extenders, that allow to couple a computer, where the structural system is fixed to the side walls by means of anchoring means. (Results 1)

Search wall and anchored and 1 (Results 269)

6:

1) Family number: 21378487 (US2040535 A)

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Title: DIRIGIBLE PASSENGER STATION

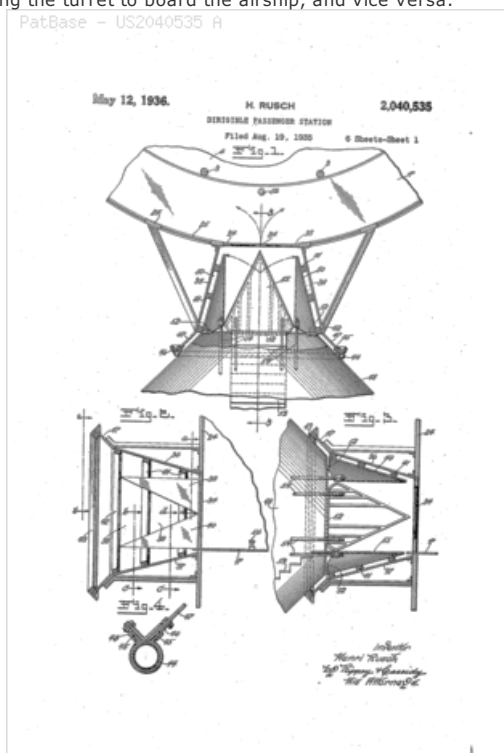
Abstract: 1. In a mooring station for dirigible airships of the lighter-than-air type, a rigid building super-structure having a rigid door, a rigid platform extending outwardly from and spaced below said door, a mooring turret rotatively supported by said platform, an annular floor member supported by said turret and surrounding said rigid floor, an enclosing Wall supported by said turret and cooperating with said floor and said floor member to form a room, a rigid roof for said room, means for holding the nose of an airship of the lighter-than-air type in fixed relation to said turret, and means forming a passageway from said turret to said airship for the movement of passengers leaving the turret to board the airship, and vice versa.

Classifications:

International (IPC 8-9): B64F1/00 B64F1/14

CPC: B64F1/14

US: 244/114R 244/115



Family:

Publication number	Publication date	Application number	Application date
US2040535 A	19360512	US19350036835	19350819

Priority:

US19350036835 19350819

Probable Assignee:

HENRI RUSCH

Assignee(s): (std):

HENRI RUSCH

Inventor(s): (std):

HENRI RUSCH

Inventor(s):

RUSCH HENRI

Title: FLOATING SUPPORT ANCHORED ON A REEL COMPRISING A GUIDE AND DEFLECTION CONDUIT FOR FLEXIBLE PIPES WITHIN SAID REEL

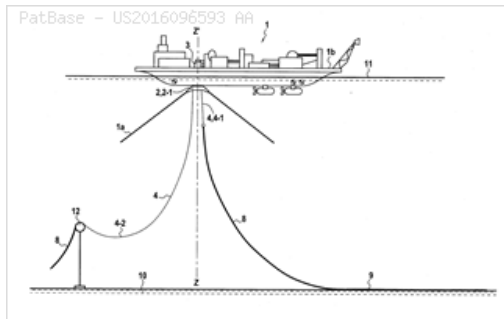
Abstract: A floating petroleum production support having a turret passing a plurality of flexible first pipes connected to a top platform. The turret includes at least one guide and offset pipe for containing and guiding a flexible first pipe and passing inside the cylindrical internal structure of the turret non-vertically between: a) a bottom wall at a first location (C1) of the bottom wall where the guide pipe is fastened; and b) an internal platform above the bottom wall, the top end of the guide pipe being fastened to the internal platform at a second location (C2) where the top end of the flexible pipe contained in the guide pipe is fastened or is suitable for being fastened, the second location not being in vertical alignment with the first location.

Classifications:

International (IPC 8-9): B63B21/50 B63B35/44 E21B43/01

CPC: B63B2035/448 B63B21/507 B63B35/44

US: 1/1 114/264



Family:

Publication number	Publication date	Application number	Application date
AU2014255525 AA	20151022	AU20140255525	20140417
AU2014255525 BB	20160428	AU20140255525	20140417
BR112015025097 A2	20170718	BR20151125097	20140417
DE602014010299 D1	20170727	DE201460010299T	20140417
EP2986497 A1	20160224	EP20140722287	20140417
EP2986497 B1	20170531	EP20140722287	20140417
FR3004693 A1	20141024	FR20130053618	20130419
FR3004693 B1	20150515	FR20130053618	20130419
ID201704193 A	20170421	ID2015P0007383	20140417
US2016096593 AA	20160407	US20140785546	20140417
US9688360 BB	20170627	US20140785546	20140417
WO14170615 A1	20141023	WO2014FR50941	20140417

Priority:

FR20130053618 20130419 WO2014FR50941 20140417 EP20140722287 20140417

Probable Assignee: SAIPEM SA

Assignee(s): (std): SAIPEM SA

Assignee(s): SAJPEM S A

Inventor(s): (std): HAJERI YANN ; YANN HAJERI

Agent(s): CABINET BEAU DE LOMENIE; COZEN OCONNOR; DOMANGE MAXIME; DOMANGE MAXIME ET AL; FB RICE; FB RICE PTY LTD; NABILA AM BADAR SH LLM

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

Title: IMPROVED SELF-SUPPORTING PNEUMATIC HAMMER POSITIONER WITH UNIVERSAL JOINT

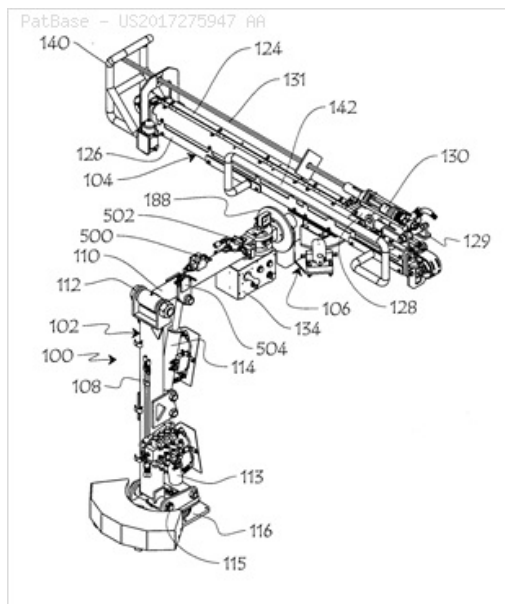
Abstract: A manually operated pneumatic rock drill positioner for mining shaft wall boring, said positioner comprising: an articulated boom having one end for releasable coupling to a mobile ground platform and another end opposite said one end thereof; a rigid elongated drill turret defining a main body with an exposed outer wall, an inner wall opposite said outer wall, and first side edge wall and second side edge wall opposite said first side edge wall, and first end and second end opposite said first end, a lengthwise rail member integrally mounted to said turret outer wall; a carriage slidably engaging said rail member, said carriage for slidably carrying a pneumatic drill head over said turret exposed outer wall for reciprocating motion thereof between said first end and second end thereof; drive means for power actuating said carriage sliding motion along said rail member; a cradle member releasably anchored to said boom another end and defining a well sized and shaped for releasable engagement by an intermediate section of said turret inner wall and said first side edge wall thereof; anchoring means for anchoring said turret to said cradle member; first coupling means for pivotally connecting said turret to said cradle member for relative pivotal movement of said turret about said cradle member along a first axis; second coupling means for pivotally connecting said turret to said cradle member for relative tilting movement of said turret about said cradle member along a second axis transverse to said first axis; all in such a way that the intersection of said first axis and second axis coincides with the center of gravity of said turret positioner and is located within said turret main body, providing a balanced load-free manual operation of the positioner.

Classifications:

International (IPC 8-9): B25D17/28 E21B1/02 E21B11/00 E21B15/00 E21B19/086 E21B7/00 E21B7/02 E21D20/00

CPC: B25D17/28 E21B1/02 E21B19/086 E21B7/025 E21B7/027 E21D20/00 E21D20/003

US: 1/1 175/122



Family:

Publication number	Publication date	Application number	Application date
CA2958703 AA	20170220	CA20152958703	20150817
EP3183411 A1	20170628	EP20150834623	20150817
EP3183411 A4	20180502	EP20150834623	20150817
US10557309 BB	20200211	US20150504705	20150817
US2017275947 AA	20170928	US20150504705	20150817
WO16026022 A1	20160225	WO2015CA00464	20150817

Priority:

US20140038463P 20140818 WO2015CA00464 20150817 US20150504705 20150817

Probable Assignee: RNP IND INC

Assignee(s): (std): R N P IND INC

Assignee(s): 4361164 CANADA INC ; BLANCHET GHISLAIN ; CHROUROU YOUSSEF ; GUIMOND LUC ; JULIEN ALAIN ; JULIEN GUILLAUME ; LALIBERTE STEVE ; LALONDE REJEAN ; LAROCHE ANTHONY ; MAGNY JEAN PIERRE ; MANSEAU TOMMY ; MENARD MARTIN ; MORISSETTE DANNY ; PAQUIN RAPHAEL ; SIMARD MAXIME ; SMITH ERICK ; TREMBLAY GUY ; TRUDEL CLAUDE

Inventor(s): (std): BLANCHET GHISLAIN ; CHROUROU YOUSSEF ; GUIMOND LUC ; JULIEN ALAIN ; JULIEN GUILLAUME ; LALIBERTE STEVE ; LALONDE REJEAN ; LAROCHE ANTHONY ; MAGNY JEAN PIERRE ; MANSEAU TOMMY ; MENARD MARTIN ; MORISSETTE DANNY ; PAQUIN RAPHAEL ; SIMARD MAXIME ; SMITH ERICK ; TREMBLAY GUY ; TRUDEL CLAUDE

Agent(s): DELORME NICOLAS; NORTON ROSE FULBRIGHT CANADA LLP; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL

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

4) Family number: 442719 (GB1293668 A)

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Title: AN HYDROSTATIC STRUCTURE

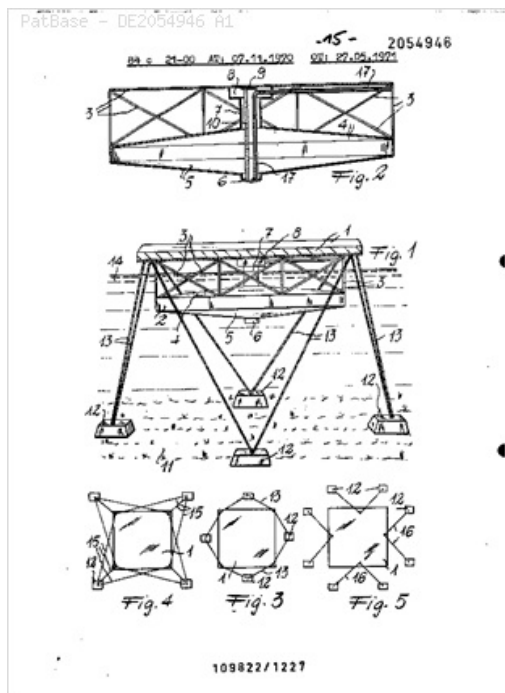
Abstract: 1293668 Floating structures G CORSO 9 Nov 1970 [20 Nov 1969] 53163/70 Heading E1H A platform 1 supported above the high-tide wave crest level by rigid elements 3 connected to a hollow body 2 submerged below the lowtide weir trough level, and displacing a weight of water greater than the weight of the platform 1, body 2 and the maximum anticipated load on the platform, is anchored by cables 13 to the sea (c) bed to prevent it moving or rotating. Two other cable 13 arrangements, Figs. 4 and 5 (not shown) are illustrated. The body 2 may have a tower 7 extending to a water-tight hatch (9) Fig. 2 (not shown) and containing a ladder (10) and a pipe (17) through which air and/or water may be pumped for ballasting during transport and while fixing the cables 13. A number of such platforms 1 and bodies 2 may be releasably joined, to form floating factories, buildings, car parks, airport runways, ports or pier supports. Platforms having a central vertical wall may be assembled in groups to form a breakwater.

Classifications:

International (IPC 8-9): B63B21/00 B63B21/50 B63B35/14 B63B35/44

International (IPC 1-7): B63B21/50 B63B35/00 B63B35/44 E02B17/00

CPC: B63B21/50 B63B35/14 B63B35/44



Family:

Publication number	Publication date	Application number	Application date
DE2054946 A1	19710527	DE19702054946	19701107
FR2072355 A5	19710924	FR19700042254	19701117
GB1293668 A	19721018	GB19700053163	19701109
NL7016716 A	19710524	NL19700016716	19701114

Priority:

IT19690011010 19691120

Probable Assignee:

CORSO GIORGIO

Assignee(s): (std):

CORSO GIORGIO

Assignee(s):

GIORGIO CORSO

Inventor(s): (std):

CORSO GIORGIO

Inventor(s):

GIORGIO CORSO

5) Family number: 44516007 (US2011130057 AA)

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Title: FLOATING SUPPORT COMPRISING A DRUM EQUIPPED WITH TWO BUOYS TO WHICH TO FASTEN TETHERS AND PIPES CONNECTING BETWEEN THE SEA BED AND THE SURFACE

Abstract: An oil production floating support having a mooring device for mooring anchor lines anchoring to the bottom of the sea and bottom-to-surface connection pipes. The device has two mooring buoys having the anchor lines and the bottom-to-surface connection pipes moored respectively thereto. The said two mooring buoys being connectable and disconnectable to a turret under which they are fastened, independently of each other.

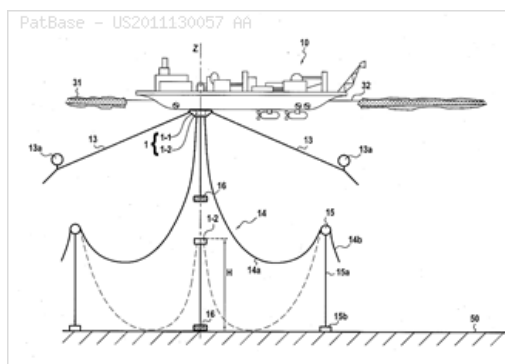
Classifications:

International (IPC 8-9): B63B21/00 B63B21/50 B63B22/00

B63B22/02 B63B27/34 B63B35/44 E21B43/01 F16L37/62

CPC: B63B21/508 B63B22/023 B63B43/00

US: 114/230.12 441/4 441/5 441/5P



Family:

Publication number	Publication date	Application number	Application date
CA2731070 AA	20100311	CA20092731070	20090828
CA2731070 C	20140812	CA20092731070	20090828
DE602009021147 D1	20140220	DE200960021147T	20090828
DK2318267 T3	20140407	DK20090740502T	20090828
EP2318267 A1	20110511	EP20090740502	20090828
EP2318267 B1	20140101	EP20090740502	20090828
FR2935679 A1	20100312	FR20080055984	20080905
FR2935679 B1	20100924	FR20080055984	20080905
KR101448104 B1	20141013	KR20117005449	20090828

KR20110070847 A	20110624	KR20117005449	20090828
RU2011101937 A	20121010	RU20110101937	20090828
RU2485003 C2	20130620	RU20110101937	20090828
US2011130057 AA	20110602	US20090057630	20090828
US8449341 BB	20130528	US20090057630	20090828
WO10026334 A1	20100311	WO2009FR51641	20090828

Priority:

FR20080055984 20080905 WO2009FR51641 20090828 EP20090740502 20090828

Probable Assignee: SAIPEM SA

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Assignee(s): SAIPEM SA1/7 AVENUE SAN FERNANDO78180MONTIGNY LE BRETONNEUXFR

Inventor(s): (std): DENISE JEAN PAUL ; DENIZ ZHAN POL ; MARTI TOMA ; MARTY THOMAS

Inventor(s): DENISE JEAN PAULFR ; DENIZ ZHAN-POL' ; JEAN PAUL DENISE ; MARTY THOMASFR ; THOMAS MARTY

Agent(s): CABINET BEAU DE LOMENIE; COZEN O CONNOR; COZEN OCONNOR; DOMANGE MAXIME; DOMANGE MAXIME ET AL; GOUDREAU GAGE DUBUC; LAVERY DE BILLY LLP

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

6) Family number: 43775398 (US2011110724 AA)

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Title: FLOATING SUPPORT INCLUDING A TURRET FITTED WITH A DISCONNECTABLE BUOY FOR MOORING BOTTOM-TO-SURFACE CONNECTION PIPES

Abstract: The present invention relates to an oil production floating support having a releasable mooring system of anchor lines to the sea bottom and of bottom-surface connection pipes, the support comprising: a mooring buoy for said anchor lines and first bottom-to-surface connection pipes; and a turret extending within a cavity passing through the entire height of the floating support, said mooring buoy being fastened under the hull of the floating support to said turret; and said floating support being characterized in that it includes a connection/disconnection system for connecting/disconnecting said mooring buoy relative to said bottom wall of the turret, which system comprises: a plurality of hoist cables; and pump means for pumping water out from said valve chamber.

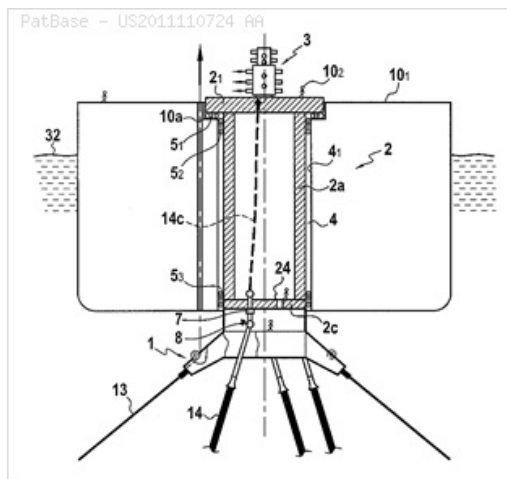
Classifications:

International (IPC 8-9): B63B21/00 B63B21/50 B63B22/02

B63B27/34 B63B35/44 E02D5/74 E21B43/01

CPC: B63B21/508

US: 114/230.13 405/224 405/224P 441/5



Family:

Publication number	Publication date	Application number	Application date
AT535439 E	20111215	AT20090727235T	20090318
CA2714637 AA	20091008	CA20092714637	20090318
CA2714637 C	20140128	CA20092714637	20090318
DE602009003957 D1	20120126	DE200960003957T	20090318
EP2252500 A1	20101124	EP20090727235	20090318
EP2252500 B1	20111130	EP20090727235	20090318
FR2928898 A1	20090925	FR20080051833	20080321
FR2928898 B1	20100416	FR20080051833	20080321
KR101348574 B1	20140107	KR20107019128	20090318
KR20100124734 A	20101129	KR20107019128	20090318
RU2010131829 A	20120427	RU20100131829	20090318
RU2492101 C2	20130910	RU20100131829	20090318
US2011110724 AA	20110512	US20090933837	20090318
US8342777 BB	20130101	US20090933837	20090318
WO09122099 A1	20091008	WO2009FR50454	20090318

Priority:

FR20080051833 20080321 WO2009FR50454 20090318 EP20090727235 20090318

Probable Assignee: SAIPEM SA

Assignee(s): (std): BAYLOT MICHEL ; DENISE JEAN PAUL ; MARTY THOMAS ; SAIPEM S A SA ; SAIPEM SA

Assignee(s): SAIPEM S A SOCIETE ANONYME

Inventor(s): (std): BAJLO MISHEL ; BAYLOT MICHEL ; DENISE JEAN PAUL ; DENIZ ZHAN POL ; MARTI TOMA ; MARTY THOMAS

Inventor(s): JEAN PAUL DENISE ; MICHEL BAYLOT ; THOMAS MARTY

Agent(s): CABINET BEAU DE LOMENIE; COZEN O'CONNOR; COZEN OCONNOR; DOMANGE MAXIME; DOMANGE MAXIME ET AL; GOUDREAU GAGE DUBUC; LAVERY DE BILLY LLP

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

7) Family number: 22650440 (US3036603 A)

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Title: COIL WINDING MACHINE

Abstract: 1. In a coil winding machine, a flier for winding a wire to form coils, a driven shaft for rotating said flier, said flier being slidably mounted upon said shaft so as to be adjusted axially therealong, a coil receiver including a pair of complementary coil forming projections supported one above the other in spaced relation with a gap therebetween, one projection being provided with a pair of adjacent transverse channels, said channels co-operating with the other projection to provide coil forms for receiving successively wound coils, said one projection having a wall separating the channels therein, means supporting said projections in axially spaced relation to said driven shaft, means for shifting said flier axially on said driven shaft for aligning said flier successively with each of said channels, and means for temporarily over-shifting said flier away from said projections after a coil is wound into one channel to draw the wire partially into ing said linkage means including means for shifting the the gap between said projections, the arrangement being position of said ratchet relative to said pawl, and means such that said wire catches upon said wall and is guided for temporarily expanding said expandable means, thereby into the other channel upon subsequent rotation 7. In a coil winding machine, a flier for winding a coil, of said flier 5 a shaft for rotating said flier, said flier being slidably 2 The coil winding machine according to claim 1 mounted upon said shaft, and means for reciprocating wherein the transverse channels in said one projection said flier axially along said shaft to cause the coil to be are stepped one below the other to provide coil forms wound in layers, said means including a cam wheel having for receiving successively smaller coils. ing a radius varying continuously from a single minimum 3 In a coil winding machine, a flier for winding a wire to value to a single maximum value, drive means rotating to form coils, a driven shaft for rotating said flier, said said cam wheel in synchronism with said flier, cam fol-flier being slidably mounted on said shaft so as to be lowing means forcefully engaging the periphery of said adjusted axially therealong, a coil receiver, said coil re- cam wheel reciprocating said flier in accordance with ceiver including a pair of complementary coil forming said cam wheel, and means for disengaging said cam projections supported one above the other in spaced 15 wheel from said drive means whereupon said cam fol-relation with a gap therebetween, one projection being lowing means rotates said cam wheel to a predetermined provided with .a pair of adjacent transverse channels, position with the cam following means engaging the cam said channels cooperating with the other projection to wheel at the point of minimum radius, the flier being provide coil forms for receiving successively wound coils, thereby actuated to a predetermined position by said said one projection having a wall separating the channels 20 cam following means. therein means supporting said projections in axially 8. In a coil winding machine, structure_ for receiving spaced'relation to said driven shaft, and means for shift- a coil as it is wound, said structure including a supporting said flier axially on said driven shaft, said last named ing body and two parallel projections extending there-means comprising a cam wheel, means driving said cam from, the first of said projections being secured fixedly wheel in synchronism with said driven shaft, a pivotally 25 to said body, the second projection being mounted on mounted cam follower responsive to said cam wheel, a said body for sliding movement to and fro with respect pivotally mounted yoke for actuating said flier axially to said first projection, said projections having aligned along said driven shaft, linkage means interconnecting transverse channels cooperating to receive a coil wound said cam follower with said yoke whereby said flier is about both projections, operating means for moving said caused to move in unison with said cam follower so as 30 second projection toward said first projection to release to layer wire into a channel, means for adjusting said the wound coil, and means mounted on said body ac-linkage means to shift the angular position of said yoke tuated by movement of said second projection for lifting relative to said cam follower to thereby shift the posi- the released coils out of said channels, said last mention of said flier relative to said coil receiver to wind coils tioned means including support structure for holding the in successive channels thereof, and means for temporarily 35 released coils out of said channels. overshifting said flier away from said coil receiver after 9. In a coil winding machine, the structure according to a coil is wound into one channel to draw the wire par- to claim 8 wherein said projections each have a longitudinally into the gap between said projections, the arrange- tudinal slot intersecting with the transverse coil receivment being such that said wire catches upon said wall ing channel therein, and wherein the support structure for Dortion and is guided thereby into the other channel upon 40 holding the released coils out of said receiving channels subsequent rotation of said flier. . j includes a pair of mandrel elements supported slidably 4 The structure according to claim 3 wherein said by said body, there being one mandrel element positioned linkage means includes ratchet and pawl elements pivot- in each said projection in the slot therein, the mandrel aUv mounted in fixed spaced relation to the pivotal axis elements being slidable in their respective slots between of said cam follower, means supporting one of said ele- 45 extreme positions, one wherein the mandrel element pro-ments in spaced relation to said cam follower whereby jects into the adjacent coil receiving channel and he said elements move in unison with said cam follower, other wherein the mandrel element is removed from the means smarting the other of said elements in spaced adjacent coil receiving channel, said mandrel elements relation to said yoke, said ratchet and pawl elements COacting one with the other upon movement of said being interengaged whereby said yoke is moved in unison 50 second projection toward said first projection to position with said cam follower through said interengaging ratchet one another in said one extreme position. Tnd pawl elements, and means for shifting the position 10. In a coil winding machine, the structure according to said Bawl element relative to said ratchet element to to claim 8, wherein said supporting body is a rotatably therebv shift the angular position of said yoke relative mounted turret and wherein said operating means mo said cam follower 55 eludes means for rotating said turret, means providing Structure according to claim 3 including means an annular cam surface encircling said turret, and cam ureina said cam follower radially into engagement with follower means carried by said second projection, said Sd camthee? said cam wheel having a radius varying cam follower means coaxing with said cam surface upon continuously from a single minimum value to a single rotation of said turret to position said second projection maximum value, and means for releasing said cam wheel relative to said first projection. momentarily from said driving means whOT^d ReiereMeS Cited in the file of this patent cam follower drives said cam wheel to a predetermines! MiHt" position with the cam follower engaging the cam wheel

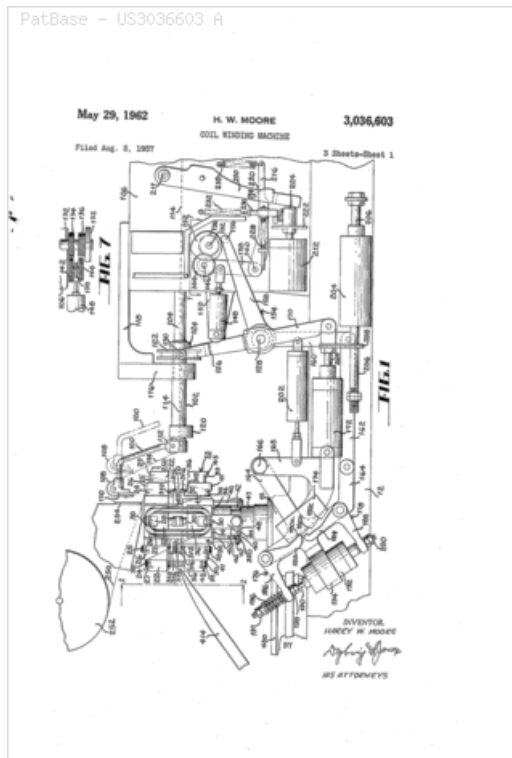
Classifications:

International (IPC 8-9): H01F41/06

International (IPC 1-7): B21F3/02 H02K15/04

CPC: H01F41/092

US: 140/92.1

**Family:**

Publication number	Publication date	Application number	Application date
US3036603 A	19620529	US19570676341	19570805

Priority:

US19570676341 19570805

Probable Assignee:

MOORE HARRY W

Assignee(s): (std):

MOORE HARRY W

Inventor(s): (std):

MOORE HARRY W

8) Family number: 4702747 (US4506480 A)

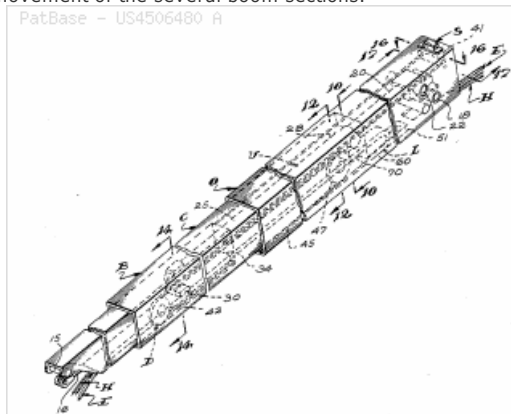
© PatBase

Title: Extensible boom construction for self-propelled aerial work platforms

Abstract: An extensible boom assembly which has a tubular outer section, a tubular intermediate section and a tubular inner section supported in a telescoping relationship, and containing a flexible power conducting line which extends through the assembly from adjacent the forward end thereof to adjacent the rearward end thereof. An articulated, hollow link track member which is supported within the boom assembly and which has one end portion doubled-back upon itself, receives and protects the power conducting line from damage during the relative movement of the several boom sections.

Classifications:**International (IPC 1-7):** E04H12/34**CPC:** B66F11/046**US:** 182/2 182/2.11 52/121 521/210

PatBase - US4506480 A

**Family:**

Publication number	Publication date	Application number	Application date
US4506480 A	19850326	US19830474050	19830310

Priority:

US19830474050 19830310

Probable Assignee:

CALAVAR CORP

Assignee(s): (std):

CALAVAR CORP

Inventor(s): (std):

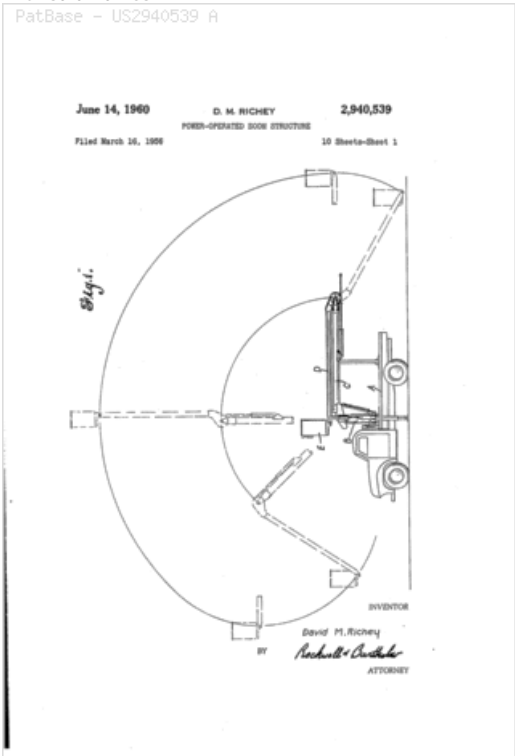
LANGSETH BRYAN ; MURRILL WILLIAM D

Title: POWER-OPERATED BOOM STRUCTURE

Abstract: (Claim 1) 1. In an articulated boom structure having a lower platform element supporting in pivotal relation a lower boom element, and having an upper boom member in pivotal relation to said boom element and carrying an upper work platform, the combination of a. pair of fluid motors, 'one motor having a part connected to the platform element and being operatively associated with said boom element to swing the latter on the pivotal axis thereof, the other motor being carried by said boom element and being operatively associated with said boom member to swing the latter relatively to the boom element, a primary hydraulic control unit mounted on one of said elements and connected to said motors by high_pressure feed lines, said primary unit being provided with valves controlling the feed lines of the respective motors, and servo hydraulic means operable from said upper work platform and including a manually operable control unit mounted on said work platform and low pressure feed lines operatively associated with said valves.

Classifications:

International (IPC 8-9): B66F11/04
International (IPC 1-7): B66C23/54 B66F11/04
CPC: B66F11/044
US: 182/2.8 212/246 212/262 56/328.1



Family:

Publication number	Publication date	Application number	Application date
US2940539 A	19600614	US19560572037	19560316

Priority:

US19560572037 19560316

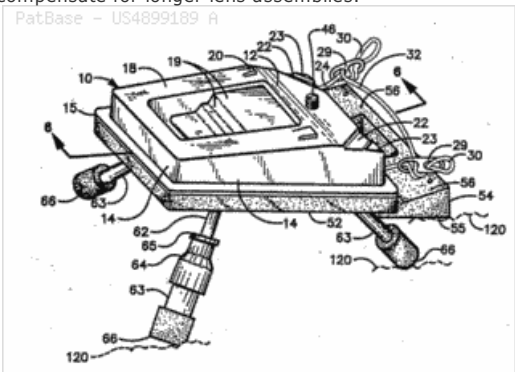
Probable Assignee: EMHART MFG CO
Assignee(s): (std): EMHART MFG CO
Assignee(s): EMHART MANUFACTURING COMPANY
Inventor(s): (std): RICHEY DAVID M

Title: SUPPORT AND PROTECTIVE BASE DEVICE FOR CAMERA

Abstract: The lightweight versatile base device stabilizes a camera accommodating a variety of lens assemblies and in a range of transporting, or hand held, or freestanding configurations. The device attaches to the base of a camera and provides eyes to accept accessory support straps in configurations that cooperate with the features of the base device to protect the camera via stabilization. Protection is also improved by the features that accommodate a quick grip and quick release of a flexible protective cover in the above configurations and while allowing the camera to retain preselected control settings for aim and shoot or for time exposure photo objectives. The base device may remain attached to the camera and does not require the operation of screws, knobs, velcro or levers for the above changes of configurations. It provides attitude and elevation adjustment of the camera via optional control wedge members or telescoping leg subassemblies. The device provides an offset interface to accept tripod head mounting and thus compensate for longer lens assemblies.

Classifications:

International (IPC 8-9): F16M11/02 F16M11/16 F16M11/20 F16M11/22 F16M13/02 G03B17/56
International (IPC 1-7): G03B17/00
CPC: F16M11/16 F16M13/00 F16M13/02 G03B17/561 G03B17/566
US: 248/163.1 248/187 248/187.1 248/188.5 354/293 396/419



Family:

Publication number	Publication date	Application number	Application date
US4899189 A	19900206	US19880265417	19881031

Priority:

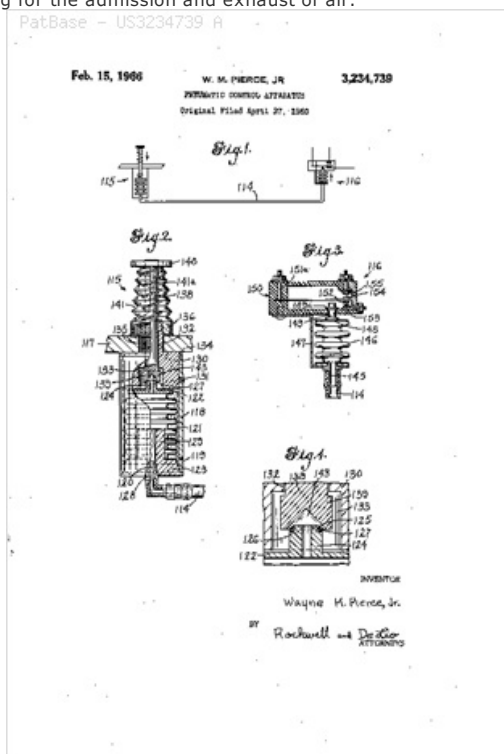
US19880265417 19881031

Probable Assignee: FROST GEORGE E**Assignee(s):** (std): FROST GEORGE E**Inventor(s):** (std): FROST GEORGE E**11) Family number: 22557774 (US3234739 A)**

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Title: Pneumatic control apparatus

Abstract: (Claim 1) 1. In a control mechanism of the pneumatic type, an airtransmitter connected to a remotely located air receiver by an air line, the transmitter comprising: a casing; a flexible resilient bellows within the casing having one end thereof connected to the air line, the other end of the bellows being free within the casing and provided with a fitting having an orifice opening into the bellows; and valve means for closing the orifice and compressing the bellows through the end fitting to transmit air through the air line, the last-named means extending within the casing and being operable from without the latter, the valve means being spring biased to a normal position spaced from said fitting to permit ingress and egress of air from the bellows, and the casing having means providing for the admission and exhaust of air.

Classifications:**International (IPC 8-9):** B66F11/04 F15B7/00**International (IPC 1-7):** B66F11/04 F15B7/02**CPC:** B66F11/044 F15B7/00**US:** 182/129 182/2.8 200/81H 200/83Z 417/472 60/584 60/592 200/81.00H 200/83.00Z**Family:**

Publication number	Publication date	Application number	Application date
US3132718 A	19640512	US19600024955	19600427
US3234739 A	19660215	US19640366383	19640511

Priority:

US19600024955 19600427 US19640366383 19640511

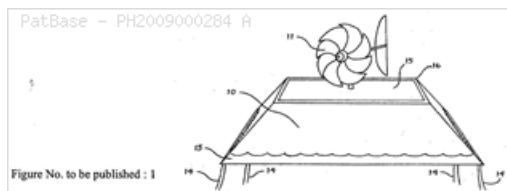
Probable Assignee: HUNT PIERCE CORP**Assignee(s):** (std): HUNT PIERCE CORP**Assignee(s):** AMERICAN LAFRANCE LLC ; PATRIARCH PARTNERS AGENCY SERVICES LLC**Inventor(s):** (std): PIERCE JR WAYNE M**Inventor(s):** JR WAYNE M PIERCE**12) Family number: 50608545 (PH2009000284 A)**

© PatBase

Title: FLUID SHIELD PLATFORM

Abstract: Streamlined fluid shield platform that has different methods to either retract or detract and shield objects or equipments in varying degrees during strong fluid or from strong fluid flows. Therefore, the objects and or equipments being shielded will not be obliterated during strong fluid flows and or will still be able to operate properly as if there's only normal fluid flow hitting the objects and or equipments that are being shielded even though in reality there's actually strong fluid flow. As a result, the objects and or equipments being shielded will also avoid early wear and tear and also save manufacturing expenses by using lower cost materials for parts. And the fluid shield platform itself can also be made of lower cost materials thereby all in all achieving cost savings.

Classifications:**International (IPC 8-9):** F16M1/04



Family:

Publication number	Publication date	Application number	Application date
PH2009000284 A	20111121	PH2009000284	20090901

Priority:

PH2009000284 20090901

Probable Assignee: MALONZO
Assignee(s): MALONZO
Inventor(s): (std): GERARDO MALONZO

13) Family number: 28671638 (US6390733 BA)

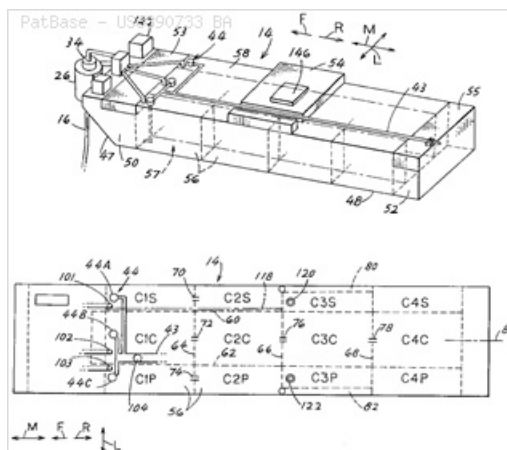
© PatBase

Title: SIMPLIFIED STORAGE BARGE AND METHOD OF OPERATION

Abstract: A barge (14) that stores liquid hydrocarbon (oil) from a producing facility (12) and offloads it perhaps once a month to a shuttle taker (40), is constructed for unmanned operation except during the once-per-month unloading. The barge has a permanent nonadjustable ballast (53, 54, 55) and has a solar powered system for communication with a central center for normal operation and emergency shutdown. The barge avoids a "hotel system" for a permanent crew (up to 50 people) by avoiding seawater ballast tanks, ballast pumps and related systems. The only person-operated equipment is an engine-generator set (142) and pumps (44), to be operated only during offloading for perhaps 3 days every month. The barge is unpowered except by solar energy or batteries, and is left unmanned except during offloading, so only temporary crew quarters are provided. The barge has a tank assembly (57) with rows of tanks connected in series so oil can be loaded and unloaded from the frontmost tank in each row. The barge is ballasted so the bottom walls (130) of the tanks extend at a slight downward-forward tilt so the last amount of stored oil can flow downhill to the frontmost tank for offloading onto the shuttle tanker.

Classifications:

International (IPC 8-9): B63B25/12 B63B27/24 B63B35/44
International (IPC 1-7): B63B B63B2/508 B63B25/08 B63B27/24 B63B35/44
CPC: B63B2035/4486 B63B2203/00 B63B25/12 B63B27/24 B63B27/34 B63B35/44
US: 114/121 114/74R 405/203 114/74.00R



Family:

Publication number	Publication date	Application number	Application date
AU2000054193 A1	20010122	AU20000054193	20000630
AU2000054193 A5	20010122	AU20000054193D	20000630
EP1189805 A1	20020327	EP20000938975	20000630
EP1189805 B1	20031126	EP20000938975	20000630
NO20016431 A	20020304	NO20010006431	20011228
NO20016431 A0	20011228	NO20010006431	20011228
NO20016431 L	20020304	NO20010006431	20011228
US6390733 BA	20020521	US20000595613	20000616
WO0102242 A1	20010111	WO20001B00889	20000630

Priority:

US19990142236P 19990702 US20000595613 20000616 WO20001B00889 20000630

Probable Assignee: SBM ATLANTIA INC

Assignee(s): (std): BURBAGE PETER JOHN ; IMODCO ; PUCNIK ROBERT ; SINGLE BUOY MOORINGS ; SINGLE BUOY MOORINGS INC

Assignee(s): IMODCO INC ; SBM ATLANTIA INC

Inventor(s): (std): BURBAGE PETER JOHN ; PUCNIK ROBERT

Inventor(s): PETER JOHN BURBAGE ; ROBERT PUCNIK

Agent(s): LEON D ROSEN

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZW

Title: SYSTEM AND METHOD FOR FLUIDS TRANSFER BETWEEN SHIP AND SHORE

Abstract: The present invention provides a system and a method for loading/unloading cryogenic or hot fluids between a free end of a transfer pipeline and a ship. The system comprises a shaft extended upwards to above the sea level, at least one dolly for the transfer pipeline at the free end, an internal hose, and a loading arm for connection with a ship manifold. The loading arm further comprises an external hose as well as an elbow spool, a valve, an end flange at its mobile end for connecting with a ship manifold. A crane is used to lift the mobile end of loading arms between a loading position and storing position. Internal and external hoses are freely hanging catenary for accommodating end displacements of a transfer pipeline and ship motions, respectively.

Classifications:

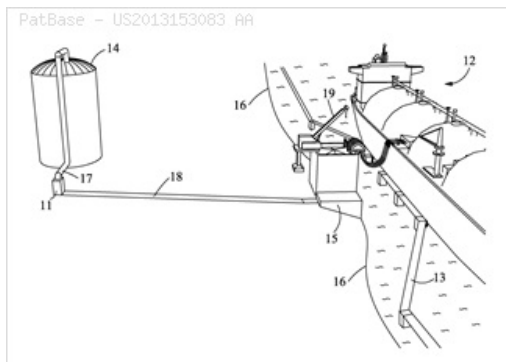
International (IPC 8-9): B63B27/24 B65B1/04 B65G63/00

B65G67/60 B67D9/00 F17C13/00

CPC: B63B27/24 B67D9/00 B65G67/606 B67D9/02

US: 141/1 141/231 141/279 141/382 141/383 141/384 141/387

441/4 441/5



Family:

Publication number	Publication date	Application number	Application date
AU2012355386 AA	20130627	AU20120355386	20121218
AU2012355386 BB	20160714	AU20120355386	20121218
CA2859659 AA	20140617	CA20122859659	20121218
CA2859659 C	20150714	CA20122859659	20121218
CN104245550 A	20141224	CN201280063047	20121218
JP2015505018 T2	20150216	JP20140549192T	20121218
US2013153083 AA	20130620	US20120712786	20121212
US8915271 BB	20141223	US20120712786	20121212
WO13096262 A1	20130627	WO2012US70261	20121218

Priority:

US20110578225P 20111220

US20120712786 20121212

WO2012US70261 20121218

Probable Assignee: LIU XUEJIE

Assignee(s): (std): LIU XUEJIE

Assignee(s): LIU XUEJIE450 - 11211 KATY FREEWAYHOUSTONTX77079US

Inventor(s): (std): LIU XUEJIE

Inventor(s): LIU XUEJIE450 - 11211 KATY FREEWAYHOUSTONTX77079US

Agent(s): CASKA INTELLECTUAL PROPERTY PTY LTD; CASKA IP; CASKA IP PTY LTD; FUJIOKA TAKAHIRO; IPAND PTY LTD; MCINTOSH IP PATENTS PTY LTD; MILTONS IP PI

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

Title: INSTALLATION COMPRISING SEABED-TO-SURFACE CONNECTIONS OF THE MULTI-RISER HYBRID TOWER TYPE, INCLUDING POSITIVE-BUOYANCY FLEXIBLE PIPES

Abstract: A bottom-to-surface connection installation having a floating support and a turret and having: a plurality of risers having their top ends secured to a carrier structure a plurality of flexible pipes extending from the turret to the top ends of the risers; the flexible pipes including at least two first flexible pipes with positive buoyancy positioned at different heights; and guide modules secured to a tension leg and suitable for sliding along floats of the risers.

Classifications:

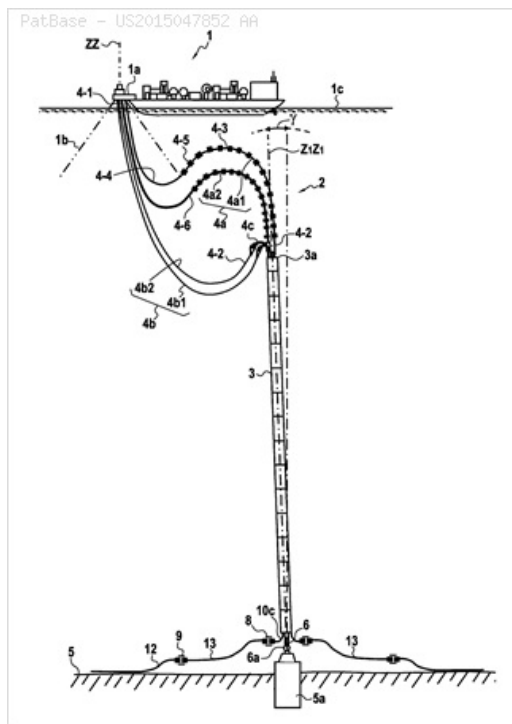
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E21B17/20 E21B19/00 E21B43/013

CPC: E21B17/012 E21B17/085 E21B17/18 E21B17/20 E21B19/002

E21B43/013

US: 1/1 166/350



Family:

Publication number	Publication date	Application number	Application date
AP2014007982 A0	20141031	AP20140007982	20130319
AU2013237262 AA	20140918	AU20130237262	20130319
AU2013237262 BB	20150827	AU20130237262	20130319
BR112014023015 A2	20170620	BR20141123015	20130319
BR112014023015 A8	20170718	BR20141123015	20130319
DE602013008216 D1	20160714	DE201360008216T	20130319
EP2844820 A1	20150311	EP20130715349	20130319
EP2844820 B1	20160601	EP20130715349	20130319
FR2988424 A1	20130927	FR20120052542	20120321
FR2988424 B1	20140425	FR20120052542	20120321
ID201602964 A	20160418	ID2014P0006360	20130319
MX2014011292 A1	20150925	MX20140011292	20130319
MX349496 B	20170801	MX20140011292	20130319
US2015047852 AA	20150219	US20130386279	20130319
US9115543 BB	20150825	US20130386279	20130319
WO13140090 A1	20130926	WO2013FR50589	20130319

Priority:

FR20120052542 20120321 WO2013FR50589 20130319 EP20130715349 20130319

Probable Assignee: SAIPEM SA

Assignee(s): (std): PIONETTI FRANCOIS REGIS ; SAIPEM SA

Inventor(s): (std): FRANCOIS REGIS PIONETTI ; PIONETTI FRANCOIS REGIS

Agent(s): CABINET BEAU DE LOMENIE; COZEN; DOMANGE MAXIME; DOMANGE MAXIME ET AL; FB RICE; FB RICE PTY LTD; NADIA AM BADAR SH

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

16) Family number: 32272945 (US2008223582 AA)

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Title: FIELD DEVELOPMENT WITH CENTRALISED POWER GENERATION UNIT

Abstract: The invention relates to a hydrocarbon exploration system, comprising a first vessel (1) having a turret (3) around which the vessel can weathervane, the turret being moored to the sea bed (4), and a second vessel (7) connected with at least one riser (12) to a subsea well (5), the first vessel (1) being connected to the second vessel (7) via a fluid transfer duct (20) comprising a first end section (23) attached to the turret of the first vessel (1), a substantially horizontal mid section (24), and a second end section (22) attached to or near the second vessel (7), the second vessel (7) weighing between 2,000 and 15,000 ton its base being attached to the sea bed via taut tendons (9), the weight exerted by the fluid transfer duct (20) on the second vessel being below 1,000 ton, a power generator being situated on the first vessel (1), power being transferred from the power generator via an electrical swivel on the first vessel.

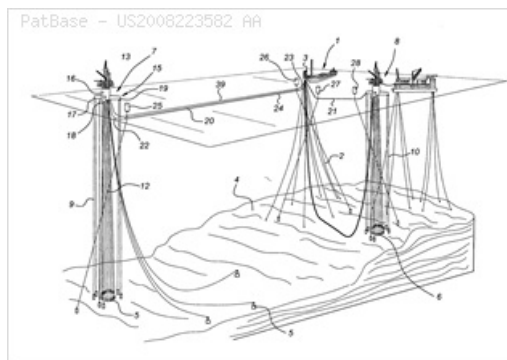
Classifications:

International (IPC 8-9): B63B21/00 B63B21/50 B63B22/00 B63B22/02 B63B27/00 B63B27/04 B63B35/44 B65B3/00 E21B29/12 E21B43/00 E21B43/01

International (IPC 1-7): B63B22/02 B63B27/04

CPC: B63B21/502 B63B21/507 B63B35/4413

US: 114/230.1 141/387 166/335 166/344 166/350 166/355 405/224.3 441/5 166/335P



Family:

Publication number	Publication date	Application number	Application date
MY146309 A	20120731	MY20040004265	20041015
US2008223582 AA	20080918	US20040593895	20041013
US7975769 BB	20110712	US20040593895	20041013
WO05090152 A1	20050929	WO2004EP11613	20041013

Priority:

EP20040075946 20040323 WO2004EP11613 20041013

Probable Assignee: SINGLE BUOY MOORINGS INC

Assignee(s): (std): POLLACK JACK ; SINGLE BUOY MOORINGS ; WILLE HEIN

Assignee(s): SINGLE BUOY MOORINGS INC

Inventor(s): (std): HEIN WILLE ; JACK POLLACK ; POLLACK JACK ; WILLE HEIN

Agent(s): YOUNG AND THOMPSON

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

17) Family number: 48739946 (WO11042535 A1)

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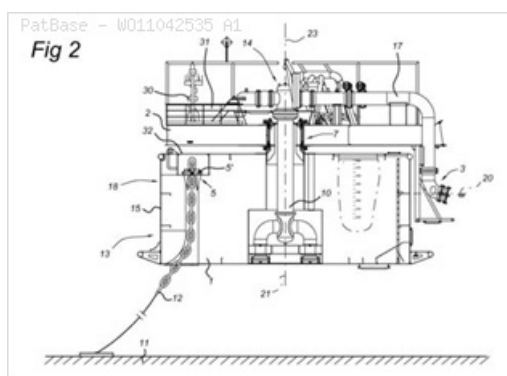
Title: CALM BUOY

Abstract: Mooring buoy (16) comprising a floating body (1) anchored to the sea bed (11) via two or more anchor lines (12, 12', 12''), the floating body comprising a lower part (13) suitable to be situated below water (20) level and an upper part (18) suitable to be situated above water level, a rotation member (2) rotatably attached to the floating body upper part via a bearing (7), a first conduit (10) extending in a substantial vertical direction from the lower part of the floating body to a swivel (14) on the floating body, along a vertical center line (23) of the floating body, a second conduit (17) extending in a substantial horizontal direction along the rotation member from the swivel to an outboard connecting position (3), a mooring line connector (4) being provided on the rotation member, characterized in that the anchor lines are attached to respective tensioning devices (5,5') at or near a top surface of the floating body upper part, the top surface having a length and a width dimension, the rotation member extending across the top surface (32) from near the connecting position to an access position near a side opposite the connecting position, the width dimension W of the rotation member being smaller than the width dimension of the top surface to allow access to at least one tensioning member via the top surface, for each angular position of the rotation member.

Classifications:

International (IPC 8-9): B63B22/02

CPC: B63B22/026



Family:

Publication number	Publication date	Application number	Application date
WO11042535 A1	20110414	WO2010EP65086	20101008

Priority:

EP20090172569 20091008

Probable Assignee: SINGLE BUOY MOORINGS

Assignee(s): (std): FONTANIEU CEDRIC ; MAZALLON JULIEN ; SINGLE BUOY MOORINGS ; STELLA CEDRIC

Assignee(s): SINGLE BUOY MOORINGS INC

Inventor(s): (std): FONTANIEU CEDRIC ; MAZALLON JULIEN ; STELLA CEDRIC

Agent(s): VAN WESTENBRUGGE ANDRE

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL

18) Family number: 19055527 (US3816998 A)

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Title: METHOD OF AND APPARATUS FOR RAPIDLY ABRADING METAL WORKPIECES

Abstract: The surface of a workpiece is rapidly abraded by a fast moving abrasive belt trained over a contract drum and against which the workpiece is forcefully engaged. The workpiece is carried on a work supprt that rotates on an axis near and transverse to that of the drum and which intersects the drum intermediate its ends. The work support has feeding and retracting motion substantially parallel to its axis, and feed force is applied to it in one embodiment of the invention by an elastic biasing medium from which stored mechanical energy is released during feed; in another, the feed force is produced by controlled rotation of jack screws, and in still another embodiment of the invention, the feed force is provided by hydraulic pressure governed by a spring-biased pressure-responsive control valve. Feed rate control is also incorporated in the machine to adapt it to use on interrupted surfaces and to different materials.

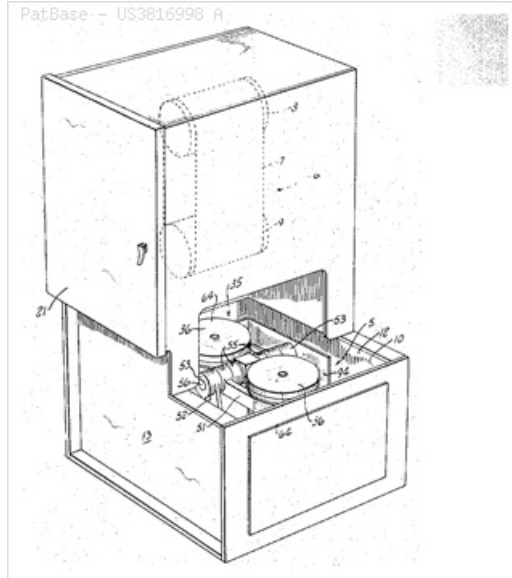
Classifications:

International (ipc 8-9): B23Q1/00 B23Q1/25 B23Q1/44 B23Q1/50
B24B21/00 B24B21/02 B24B21/04 B24B21/08 B24B21/12

International (ipc 1-7): B24B21/00 B24B21/04 B24B21/12
B24B21/18 B24B47/20 B30B5/02

CPC: B24B21/12

US: 451/24 451/307 451/403 451/59 51/14.5T



Family:

Publication number	Publication date	Application number	Application date
AU197246511 A1	19740321	AU19720046511	19720911
CA963659 A1	19750304	CA19720151814	19720915
CH534032 A	19730228	CH19710000914	19710121
CH561583 A	19750515	CH19720013339	19720912
DE7101249 U	19741128	DE19711001249U	19710114
DE2101599 A1	19711202	DE19712101599	19710114
DE2244648 A1	19730322	DE19722244648	19720912
DE2244648 B2	19790523	DE19722244648	19720912
DE2244648 C3	19800117	DE19722244648	19720912
GB1334256 A	19731017	GB19700053264	19701109
GB1407461 A	19750924	GB19720042601	19720913
JP49023357 B4	19740614	JP19700117945	19701225
JP48038595 A2	19730606	JP19720093530	19720918
JP4838595 A2	19730606	JP19720093530	19720918
JP51048835 B4	19761223	JP19720093530	19720918
NL146736 B	19750815	NL19710001251	19710129
NL7101251 A	19711122	NL19710001251	19710129
NL155467 B	19780116	NL19720012498	19720914
NL7212498 A	19730320	NL19720012498	19720914
US3816998 A	19740618	US19730360001	19730516

Priority:

US19700038431 19700518 US19710181474 19710917 US19720242111 19720407
US19730360001 19730516

Probable Assignee: TIMESAVERS INC

Assignee(s): (std): TIMESAVERS INC ; TIMESAVERS INC MINNEAPOLIS MINNESOTA VER ST V AM ; TIMESAVERS SANDERS

Assignee(s): ELM DONALD C ; GRIVNA HOWARD W ; TIMESAVERS ; TIMESAVERS INC MINNEAPOLIS MINN V ST A ; TIMESAVERS INC US

Inventor(s): (std): DONALD C ELN ; ELM D ; ELM DONALD C ; GRIVNA H ; GRIVNA HOWARD W ; HOWARD W GRIVNA

Inventor(s): C ELN DONALD ; ELM D US ; GRIVNA H US ; W GRIVNA HOWARD

19) Family number: 1096666 (US3838743 A)

© PatBase

Title: COLLAPSIBLE PLATFORM SCALE

Abstract: A collapsible platform scale having an upright structure assembly and movable parts outside of the platform box

adapted to be readily disassembled and contained within the platform box which functions as a shipping container for shipping purposes.

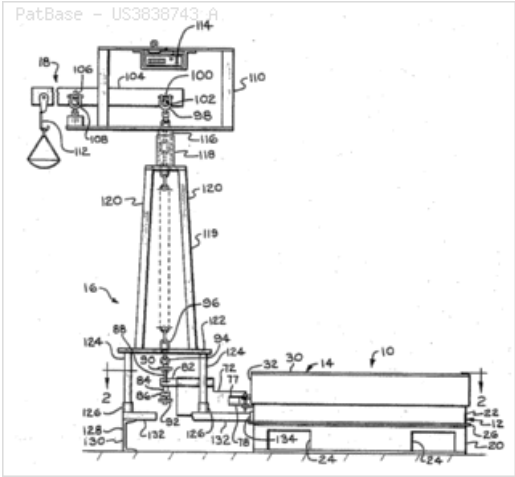
Classifications:

International (IPC 8-9): G01G1/00 G01G1/24 G01G21/00 G01G21/28

International (IPC 1-7): G01G21/08 G01G21/28

CPC: G01G1/24 G01G21/28

US: 177/127 177/258 177/12.7



Family:

Publication number	Publication date	Application number	Application date
US3838743 A	19741001	US19740447163	19740301

Priority:

US19740447163 19740301

Probable Assignee:	NORTHERN OHIO SCALE CO
Assignee(s): (std):	NORTHERN OHIO SCALE CO
Assignee(s):	NORTHERN OHIO SCALE CO US
Inventor(s): (std):	SCHNEERER E
Inventor(s):	SCHNEERER E US

20) Family number: 15678263 (WO03006916 A1)

© PatBase

Title: WALL BREACH METHOD AND APPARATUS

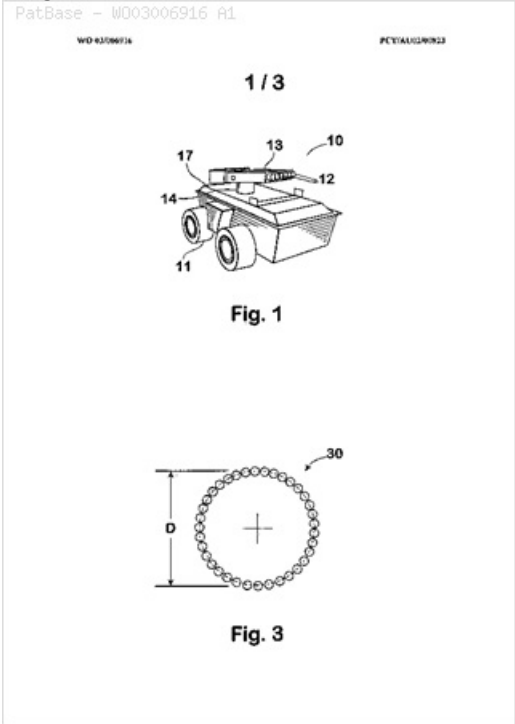
Abstract: A method and apparatus for breaching a wall or barrier (20) including a cluster of barrel assemblies (12), wherein said barrel assemblies are directed around the perimeter of a desired access, wherein the barrel assemblies include a plurality of projectiles axially disposed within a barrel and associated with discrete selectively ignitable propellant charges for propelling the projectiles from the barrel towards the perimeter of the desired access until the wall is breached. Suitably the barrel assemblies (12) are formed in a pod (13) mounted to a platform (17) of a robotic vehicle (10) by a turret (14), which vehicle includes stabilisers (15, 16) for supporting the platform during firing.

Classifications:

International (IPC 8-9): F41A23/00 F41A23/34 F42B5/00 F42B5/03

International (IPC 1-7): F41F1/00 F41H13/00 F41H7/00

CPC: F41A23/34 F42B5/035



Family:

Publication number	Publication date	Application number	Application date
AU2001006290 A0	20010802	AU2001PR06290	20010711
AU2001006291 A0	20010802	AU2001PR06291	20010711
TW200412419 A	20040716	TW20030100120	20030103
WO03006916 A1	20030123	WO2002AU00823	20020625

Priority:

AU2001PR06290 20010711

AU2001PR06291 20010711

WO2002AU00823 20020625

Probable Assignee: METAL STORM LTD**Assignee(s):** (std): METAL STORM LTD ; O DWYER JAMES MICHAEL**Assignee(s):** METAL STORM LIMITED**Inventor(s):** (std): O DWYER JAMES MICHAEL**Inventor(s):** O'DWYER JAMES MICHAEL**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW**21) Family number: 32216997** (US2005193938 AA)

© PatBase

Title: FLOATING LNG IMPORT TERMINAL AND METHOD FOR DOCKING

Abstract: A floating terminal for offloading an LNG carrier vessel in the sea. The floating terminal of open frame construction is moored toward its front end with a rotatable mooring arrangement so that the terminal may weathervane in response to environmental forces. Marine thrusters are provided at the aft end of the terminal for swinging the terminal away from and back toward a line defined by the path toward the terminal of an approaching LNG carrier. Offloading equipment and heat exchangers are provided on a deck of the floating structure. When an LNG carrier vessel approaches the terminal, the thrusters swing the floating terminal away from the carrier vessel approach line while a hawser at the front end of the terminal pulls the vessel close to the terminal. The floating terminal swings back toward the carrier vessel in response to operating the marine thrusters in an opposite direction until the carrier vessel and floating terminal are side-by-side. The hawser continues to pull the carrier vessel forward with respect to the terminal until loading arms at the side of the terminal are aligned side-by-side with a manifold of the carrier vessel.

Classifications:**International (IPC 8-9):** B63B21/00 B63B21/50 B63B22/00 B63B22/02 B63B35/44**International (IPC 1-7):** B63B21/00 B63B22/02**CPC:** B63B21/50**US:** 114/230.1 114/230.100 114/230.12 114/230.13 114/230.14 114/256 114/265 114/293 405/203 405/224 441/3 441/4

PatBase -- US2005193938 AA

Patent Application Publication Sep. 8, 2005 Sheet 1 of 14 US 2005/0193938 A1

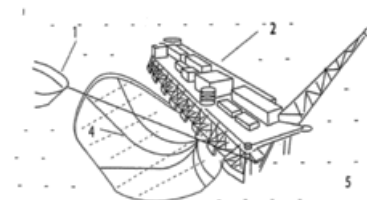


FIG 1a

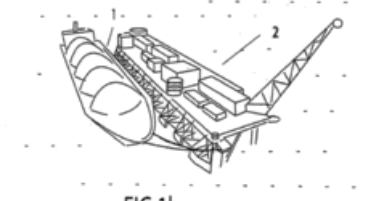


FIG 1b

Family:

Publication number	Publication date	Application number	Application date
US2005193938 AA	20050908	US20050072576	20050304
US7299760 BB	20071127	US20050072576	20050304
US2008274655 AA	20081106	US20070975405	20071019
US7543543 BB	20090609	US20070975405	20071019

Priority:

US20040550879P 20040305

US20040554473P 20040318

US20050072576 20050304

US20070975405 20071019

Probable Assignee: SOFEC INC**Assignee(s):** (std): FMC TECHNOLOGIES ; SOFEC INC**Assignee(s):** FMC TECHNOLOGIES INC**Inventor(s):** (std): BOATMAN L T ; BOATMAN L TERRY ; LIU YONGHUI**Inventor(s):** BOATMAN L**Agent(s):** ANDREWS KURTH LLP; BUSH GARY L; GARY L; GARY L BUSH ANDREWS KURTH LLP**22) Family number: 51083443** (US2013224020 AA)

© PatBase

Title: FLOATING HYBRID COMPOSITE WIND TURBINE PLATFORM AND TOWER SYSTEM

Abstract: A wind turbine platform is configured for floating in a body of water and includes a hull defining a hull cavity

US: 1/1 114/265 29/428 416/84 416/85

Inventor(s): (std): ANDREW GOUPPEE ; ANDREW J GOUPPEE ; ANTHONY M VISELLI ; DAGHER HABIB ; DAGHER HABIB J ; GOUPPEE ANDREW ; GOUPPEE ANDREW J ; HABIB J DAGHER ; VISELLE ANTHONY M ; VISELLI ANTHONY ; VISELLI ANTHONY M

Inventor(s): DAGHER HABIB J101 BUCK HILL DRIVEVEAZIEME04401US ; GOUPPEE ANDREW37 TALL PINE LANEDDHAMME04429US ; VISELLI ANTHONY M399 BUCK STREETBANGORME04401US

Agent(s): ALESSANDRI Y COMPANIA; CARVAJAL Y URQUIJO ISABEL; ESTUDIO FEDERICO VILLASECA Y CIA; GILES ASHLEY SIMON; GILLESPIE TED C; HASLTINE LAKE LLP; KOBAYASHI YASUSHI; MACMILLAN SOBANSKI AND TODD LLC; ONO SHINJIRO; RIDOUT AND MAYBEE LLP; TAKEUCHI SHIGEO; YAMAMOTO KOSAMU; YAMAZAKI KOSAKU

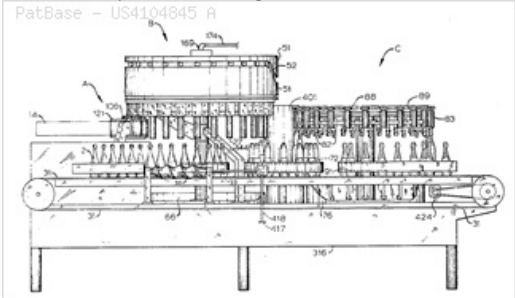
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX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

23) Family number: 6850411 (US4104845 A) PatBase

Title: Method and apparatus for applying sleeves to necks of bottles and other containers

Abstract: Tubular sleeves are formed by continuously supplying a continuous web of sheet material to a cutter, cutting individual sleeves in succession from the web, forming each severed sleeve into a cylindrical tube by attaching one end of the sleeve to a rotating mandrel by means of suction, spinning the mandrel with the sleeve attached thereto so as to wrap the sleeve around the mandrel and form a tube, slipping the tube off of the mandrel and onto the neck of a container and then conforming the sleeve to the shape of the neck as by mechanical means or by heat-shrinking.

Classifications:
International (IPC 8-9): B65B53/02 B67B5/00 B67B5/03
International (IPC 1-7): B65B11/04 B65B21/24 B65B53/00 B65B53/02 B65C3/16 B65C3/22 B65C9/00 B65C9/32 B67B5/00
CPC: B67B5/03 B67B5/032 B67B5/036
US: 53/14 53/297 53/410 53/487 53/49



Family:

Publication number	Publication date	Application number	Application date
AU197725581 A1	19781130	AU19770025581	19770527
CA1084016 A1	19800819	CA19770279236	19770526
DE2724226 A1	19771208	DE19772724226	19770527
GB1547013 A	19790606	GB19770020039	19770512
JP52147180 A2	19771207	JP19770061263	19770527
US4104845 A	19780808	US19760690943	19760528
ZA7703012 A	19780426	ZA19770003012	19770520

Priority:
US19740471965 19740521 US19760690943 19760528 CA19770279236 19770526

Probable Assignee: B AND J MFG CO

Assignee(s): (std): B AND H MFG CO ; B AND J MFG CO

Assignee(s): B AND H MANUFACTURING CO INC ; B AND H MANUFACTURING COMPANY INC ; B AND H MFG CO INC ; HOFFMANN WOLFGANG

Inventor(s): (std): HOFFMANN W ; HOFFMANN WOLFGANG ; UORUFUGANGU HOFUMAN

Inventor(s): WOLFGANG HOFFMANN

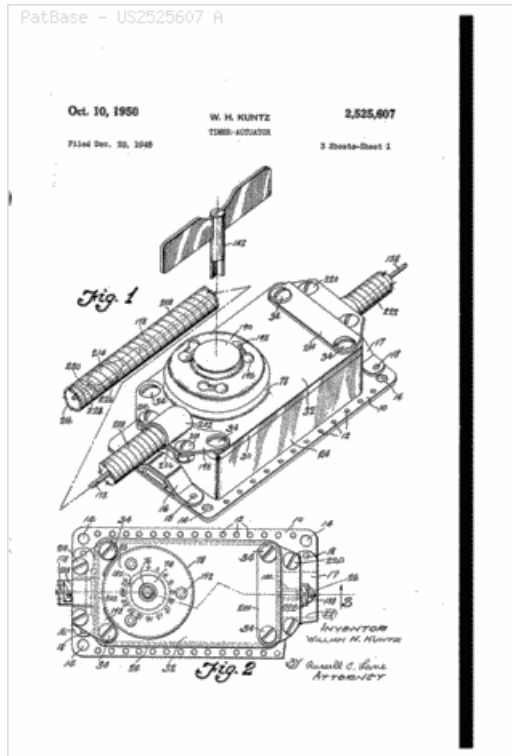
Agent(s): MACRAE AND CO

24) Family number: 22031621 (US2525607 A) PatBase

Title: TIMER-ACTUATOR

Abstract: (Claim 1) 1. In at timer-actuator for effecting operation of a deirleeat the end of a time interval after si. predetermined initiation, the combination comprising; sm mounting plate permanentlyfixed on ahdieletive to the device to be operated, a, power driven- actuator assembly removably secured to the mounting plate and having an actuator cable adapted to be coupled with the device to be actuated, ag spool driven by the power assembly for storing the actuator cable, means for activating 1:he` pOWer driven assembly, and means p1"event~ ing withdrawéal of the stored cable and delaying the coupling of the actuator Eavble -with the deice to be actuated until the power driven assembly has been fully activated whereby the timer-actuator can be operatively éonnected with the deviceto be 0pC1` !=trCd only if the power means is suilléziertly reactivated with sufficient energy to effect the desired* operation when iilitiated. "

Classifications:
International (IPC 8-9): B64D17/00 B64D17/56 H01H7/00 H01H7/12
International (IPC 1-7): G05B11/00
CPC: B64D17/56 H01H7/12
US: 244/150 254/266 254/342 254/364



Family:

Publication number	Publication date	Application number	Application date
US2525607 A	19501010	US19480066309	19481220

Priority:

US19480066309 19481220

Probable Assignee:

KUNTZ WILLIAM H

Assignee(s): (std):

KUNTZ WILLIAM H

Inventor(s): (std):

KUNTZ WILLIAM H

25) Family number: 49959228 (US2013064606 AA)

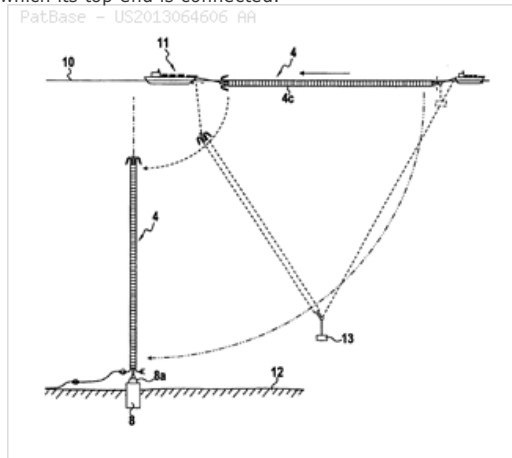
© PatBase

Title: SEABED-TO-SURFACE LINKING EQUIPMENT INCLUDING A FLEXIBLE PIPE GUIDING STRUCTURE

Abstract: A bottom-to-surface connection installation between a plurality of undersea pipes resting on the sea bottom and a floating support on the surface and anchored to the sea bottom, the floating support including a turret; and a plurality of flexible hoses extending from the turret to respective ones of a plurality of rigid pipes, the rigid pipes providing connections between the flexible hoses and respective ones of the plurality of undersea pipes resting on the sea bottom, wherein the installation includes a guide structure maintained in the subsurface between the turret and the top of the rigid pipes, the guide structure being suitable for guiding the flexible hoses, the guide structure having a plurality of first guide elements with respective ones of the plurality of flexible hoses passing therethrough in such a manner that the flexible hose has at least a bottom flexible hose portion in a dipping catenary configuration, and a second flexible hose portion extending entirely above the point of contact between the flexible hose and the first guide element, this portion occupying a curve of catenary shape between the guide element through which it passes and the turret to which its top end is connected.

Classifications:

International (IPC 8-9): B63B21/50 B63B22/02 E21B17/00 E21B17/01 E21B43/01 F16L1/16
CPC: B63B21/50 B63B21/508 B63B22/021 E21B17/01 E21B43/0107 F16L1/16
US: 166/350 405/166 405/169 405/224.2 405/224.3



Family:

Publication number	Publication date	Application number	Application date
BR112012029445 A2	20170221	BR20121129445	20110518
DE602011004628 D1	20140220	DE201160004628T	20110518
EP2571753 A1	20130327	EP20110726880	20110518
EP2571753 B1	20140108	EP20110726880	20110518

FR2960208 A1	20111125	FR20100053909	20100520
FR2960208 B1	20120810	FR20100053909	20100520
US2013064606 AA	20130314	US20110697953	20110518
US8888412 BB	20141118	US20110697953	20110518
WO11144864 A1	20111124	WO2011FR51118	20110518

Priority:

FR20100053909 20100520 WO2011FR51118 20110518 EP20110726880 20110518

Probable Assignee: SAIPEM SA

Assignee(s): (std): CHKIR RAMI ; PIONETTI FRANCOIS REGIS ; SAIPEM SA ; SZYSZKA DAMIEN

Inventor(s): (std): CHKIR RAMI ; DAMIEN SZYSZKA ; FRANCOIS REGIS PIONETTI ; PIONETTI FRANCOIS REGIS ; RAMI CHKIR ; SZYSZKA DAMIEN

Agent(s): CABINET BEAU DE LOMENIE; COZEN OCONNOR; DOMANGE MAXIME; DOMANGE MAXIME ET AL

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

26) Family number: 21910015 (US2268289 A)

© PatBase

Title: APPARATUS FOR PACKAGING FRUIT JUICES

Abstract: 1. In apparatus of the character described, a sterilizing tank having a sterilizing bath therein, a filling and closing housing, spaced tracks for guiding open-topped containers in a generally horizontal position through the tank and into the housing for deposition therein, said tracks including portions relatively positioned to hold the containers with their open tops tilted higher than their closed bottoms in a portion of the bath and reversely positioned with relation one to the other in approach to the housing to hold the containers with their open tops tilted downwardly whereby to avoid entrapment of air in the container bottoms in the bath and to assure draining out of sterilizing liquid before the containers are deposited in said housing.

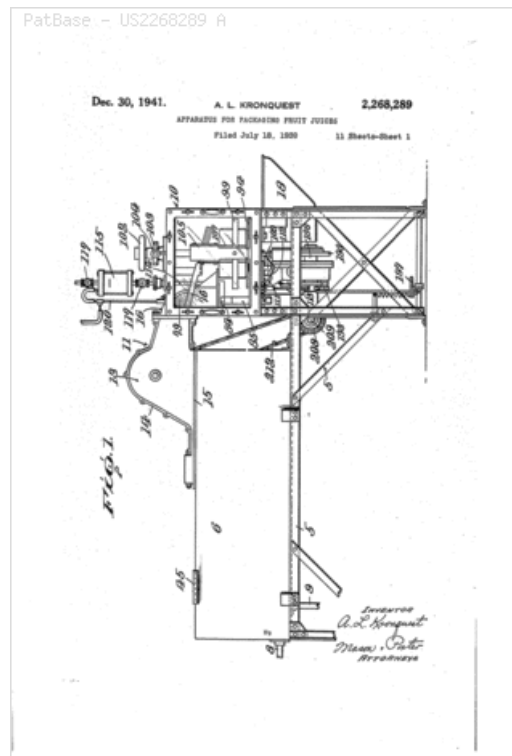
Classifications:

International (IPC 8-9): B65B55/04 B65B55/10

International (IPC 1-7): B65B55/10

CPC: B65B55/10

US: 141/111 141/51 141/92 226/68 413/45 422/304 53/272 53/334 53/510



Family:

Publication number	Publication date	Application number	Application date
US2268289 A	19411230	US19390285137	19390718

Priority:

US19390285137 19390718

Probable Assignee: CONTINENTAL CAN CO

Assignee(s): (std): CONTINENTAL CAN CO

Assignee(s): CONTINENTAL CAN CO INC ; CONTINENTAL CAN COMPANY INC

Inventor(s): (std): KRONQUEST ALFRED L

27) Family number: 28823587 (US6588357 BA)

© PatBase

Title: FLEX COUPLING ARRANGEMENT BETWEEN UPPER AND LOWER TURRET STRUCTURES

Abstract: A turret is supported on a vessel with bearing assemblies that permit the vessel to weathervane about the turret. The turret includes an upper turret structure, a lower turret structure, and a flex joint arrangement. The upper turret structure connects to the vessel with an upper turret bearing assembly and conical couplings. The conical couplings not only

allow a smaller diameter bearing to be used on the upper turret, but also isolate the upper turret bearing assembly from ovaling of the vessel. A lower radial bearing assembly provides radial rotation support to a lower turret structure. A flex joint arrangement connects the upper and lower turret structures with a flex joint to minimize moments transferred from the lower turret structure to the upper bearing assembly. In one arrangement, the flex joint is located between the upper turret and a middle ring of the flex joint arrangement; and, in another arrangement, the flex joint is located between the lower turret structure and the middle ring of the flex joint arrangement.

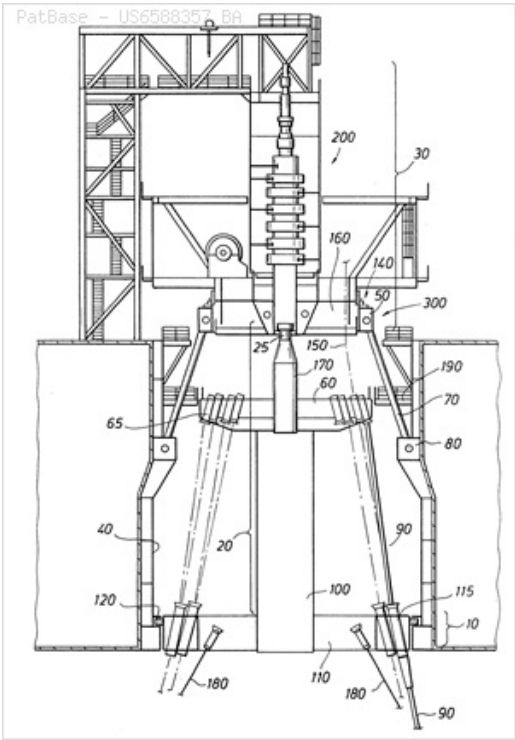
Classifications:

International (IPC 8-9): B63B21/00 B63B21/50

International (IPC 1-7): B63B2/202 B63B22/02

CPC: B63B21/507

US: 114/230.1 441/5



Family:

Publication number	Publication date	Application number	Application date
US6588357 BA	20030708	US20020119188	20020409

Priority:

US20010282675P 20010409 US20020119188 20020409

Probable Assignee: SOFEC INC
Assignee(s): (std): FMC TECHNOLOGIES ; FMC TECHNOLOGIES INC
Assignee(s): SOFEC INC
Inventor(s): (std): HOBODY MILES A
Inventor(s): MILES A HOBODY
Agent(s): ANDREWS AND KURTH; GARY BUSH

28) Family number: 30125319 (US5979353 A)

© PatBase

Title: Production/platform mooring configuration

Abstract: A system comprising: a mooring bridle, wherein the mooring bridle is installed below the wave zone of the sea and wherein the bridle is attached to a first vessel; and vessel lines which attach a second vessel to the mooring bridle. A line comprising: an anchor which is attached to the sea floor; an anchor line comprising an upper end and a lower end wherein the lower end is connected to the anchor; an anchor line buoy which is attached to the upper end of the anchor line; and a vessel line comprising an upper end and a lower end wherein the lower end attaches to the buoy and the upper end attaches to the vessel. A system comprising: a first mooring line; and a second mooring line, wherein the first and second mooring lines each comprise: an anchor which is attached to the sea floor; an anchor line comprising an upper end and a lower end wherein the lower end is connected to the anchor; an anchor line buoy attached to the upper end of the anchor line; and a vessel line comprising an upper end and a lower end wherein the lower end is attached to the buoy and the upper end is attached to the vessel, wherein the first and second mooring lines are placed on opposite sides of the vessel so that the net horizontal force on the vessel is zero. A system comprising: a first mooring bridle; first vessel lines which attach the first vessel to the first mooring bridle; a second mooring bridle; and second vessel lines which attach the second vessel to the second mooring bridle, wherein the first and second mooring bridle are connected.

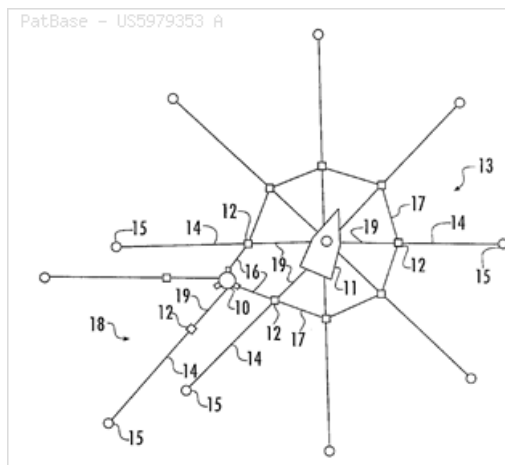
Classifications:

International (IPC 8-9): B63B21/00 B63B21/24 B63B21/27 B63B21/50

International (IPC 1-7): B63B2/124 B63B21/24 B63B21/50

CPC: B63B2035/448 B63B21/507

US: 114/230 114/230.26 114/293 441/3



Family:

Publication number	Publication date	Application number	Application date
AU199718150 A1	19970902	AU19970018150	19970214
BRPI9707446 A	19990720	BR1997PI07446	19970214
GB2324286 A1	19981021	GB19980017664	19970214
GB9817664 A0	19981007	GB19980017664	19970214
NO983743 A	19980814	NO19980003743	19980814
NO983743 A0	19980814	NO19980003743	19980814
NO983743 L	19980814	NO19980003743	19980814
OA10833 A	20010813	OA19980000138	19980807
US5979353 A	19991109	US19970825406	19970327
US6170424 BA	20010109	US19980216309	19981218
US6170424 BB	20010109	US19980216309	19981218
WO9729943 A1	19970821	WO1997NO00046	19970214

Priority:

US19960602884 19960216 WO1997NO00046 19970214 US19970825406 19970327
US19980216309 19981218

Probable Assignee: PETROLEUM GEO SERVICES US INC

Assignee(s): (std): BOERSETH KNUT ; PETROLEUM GEO SERVICES A S ; PETROLEUM GEO SERVICES US INC

Assignee(s): PETROLEUM GEO SERVICES (US) INC ; PETROLEUM GEO SERVICES INC

Inventor(s): (std): BOERSETH KNUT

Inventor(s): B degrees RSETH KNUT ; BORSETH KNUT ; KNUT BOERSETH ; KNUT BORSETH ; KNUT E BOERSETH

Agent(s): ARNOLD AND ASSOCIATES

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

29) Family number: 61601674 (BRPI1102310 A2)

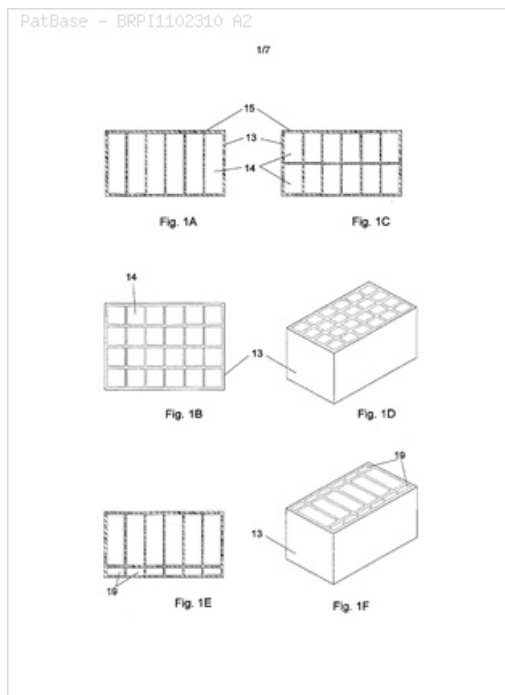
© PatBase

Title: TERMINAL OCEANICO NAVAL AIR BUILT IN BLOCKS FLOATING juxtaposed (Machine translation)

Abstract: Source: BRPI1102310 A2 **Machine translation:** 1 SUMMARY TERMINAL OCEANICO NAVAL AIR BUILT IN BLOCKS FLOATING juxtaposed. An oceanic terminal (1), naval, redistributes cargo and passengers 5 between oil production platforms and ground terminals through a transport system that combines and integrates naval with air assets, ie: cargo vessels, passenger vessels and helicopters . The various embodiments presented in this invention are 10 relate primarily to an oceanic terminal (1) constructed from floating blocks (13) juxtaposed to enable shapes and odd geometries with impossible dimensions to be constructed with other techniques, permitting transshipment between ships and the terminal, even in adverse sea conditions. The floating blocks are constructed preferably in 15 booms fitted with sliding ways that significantly reduce the time and construction costs. Because of the geometry and dimensions, such terminal oceanic (1) can still be connected and integrated with other facilities such as: 20 hydrocarbon storage, drilling and production fluids storage, hotel accommodation, aircraft parking, refueling and minor maintenance on helicopters; extending the functionality and value of it.

Classifications:

International (IPC 8-9): B63B35/30



Family:

Publication number	Publication date	Application number	Application date
BRPI1102310 A2	20151229	BR2011PI02310	20110526

Priority:

BR2011PI02310 20110526

Probable Assignee:

RODRIGUES PAULA LUIZE FACRE

Assignee(s): (std):

RODRIGUES PAULA LUIZE FACRE

Assignee(s):

PAULA LUIZE FACRE RODRIGUES

Inventor(s): (std):

RODRIGUES PAULA LUIZE FACRE

Inventor(s):

PAULA LUIZE FACRE RODRIGUES

30) Family number: 52730278 (US2014199139 AA)

© PatBase

Title: STATION FOR LOADING AND UNLOADING PIECE-CARRYING CONTAINERS

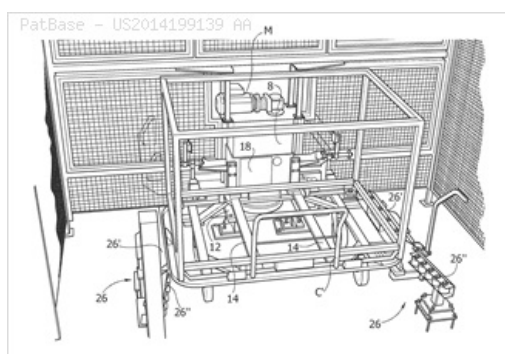
Abstract: A system for loading and unloading piece-carrying containers (C) in an industrial plant, comprising: a station (2) for loading and unloading said containers; a workstation (3) to which the loaded containers are brought and at which the pieces are taken from said containers; and a turret (6), which can turn about a vertical axis and is designed to exchange with one another a first container in said workstation and a second container in said loading and unloading station, through a predetermined movement of rotation of said turret, said system being characterized in that, in order to carry out said exchange of said first and second containers, said turret is configured for lifting said first and second containers so as to release them and pick them up from said stations.

Classifications:

International (IPC 8-9): B23Q1/66 B23Q7/02 B23Q7/14 B65G65/00

CPC: B23Q1/66 B23Q7/02 B23Q7/1431 B65G65/00

US: 1/1 414/222.01

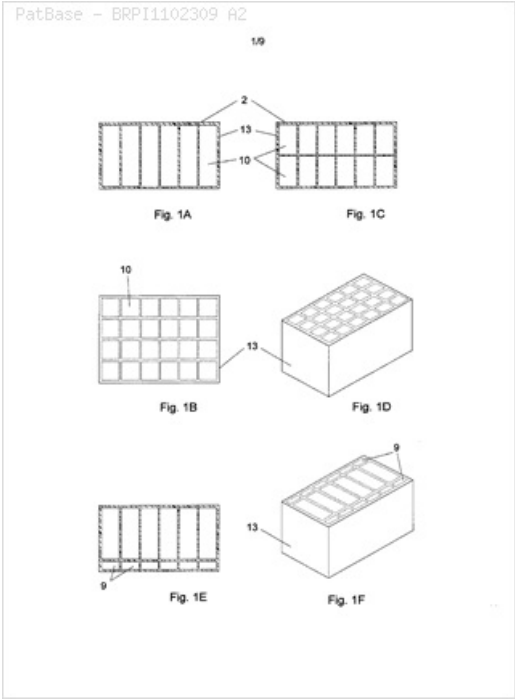


Family:

Publication number	Publication date	Application number	Application date
CA2840810 AA	20131230	CA20122840810	20120704
CA2840810 C	20191231	CA20122840810	20120704
CN103827001 A	20140528	CN201280033805	20120704
CN103827001 B	20160420	CN201280033805	20120704
DE602012003121 D1	20141030	DE201260003121T	20120704
EP2543615 A1	20130109	EP20120174884	20120704
EP2543615 B1	20140917	EP20120174884	20120704
ES2522990 T3	20141120	ES20120174884T	20120704
IN00010KN2014 A	20140502	IN2014KN00010	20140101
ITTO20110599 A1	20130108	IT2011TO00599	20110707
MX2014000156 A1	20140604	MX20140000156	20120704

FLOATING BLOCKS. The various embodiments disclosed in this invention are 5 basically related to a floating production unit (1) constructed from floating blocks (13), juxtaposed significantly reducing costs and construction times at the same time, it enables shapes and odd geometries, difficult to be built with traditional techniques, eg. in dry dock 10 Because the geometry and dimensions, such floating production unit (1) can still be connected and integrated with other facilities such as: storage of hydrocarbons in general, drilling and production fluids storage, hotel accomodation, parking aircraft, refueling and small maintenance 15 in helicopters; extending the functionality and value of it. It is part of the present invention a method and their pedestals structure (18), floating, backed and supported by the seabed; for installation of process plants (17) on the hulls of floating production units d). 20

Classifications:
International (IPC 8-9): B63B21/50 B63B22/02 E21B17/01



Family:

Publication number	Publication date	Application number	Application date
BRPI1102309 A2	20151229	BR2011PI02309	20110526

Priority:
BR2011PI02309 20110526

Probable Assignee: RODRIGUES PAULA LUIZE FACRE

Assignee(s): (std): RODRIGUES PAULA LUIZE FACRE

Assignee(s): PAULA LUIZE FACRE RODRIGUES

Inventor(s): (std): RODRIGUES PAULA LUIZE FACRE

Inventor(s): PAULA LUIZE FACRE RODRIGUES

33) Family number: 41800318 (IN01896CH2005 A) © PatBase

Title: HIGH OR MEDIUM VOLTAGE SWIVEL

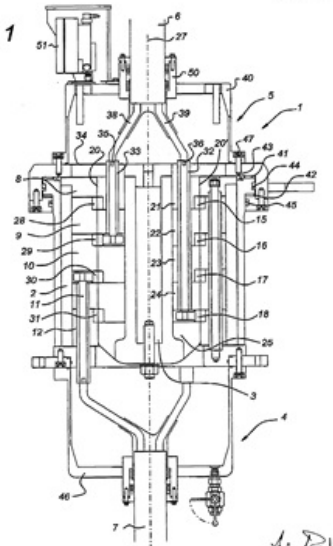
Abstract: The invention relates to a high voltage swivel, comprising an annular outer element defining a cylindrical chamber around a longitudinal axis and an inner cylindrical element coaxial with the outer element and rotatable relative to said outer element around said longitudinal axis. The inner and outer elements each comprise at least two axially spaced electrical conductors which conductors are rotatable with the inner and outer elements, the conductors forming at least two pairs placed with contact surfaces in mutual electrical contact. One conductor in each pair is provided at the inner element, the other at the outer element and being connected to a respective voltage line which extends to an input terminal and to an output terminal respectively, the conductors being surrounded by an insulating material. The invention is characterised in that the electrical conductors of the outer element are provided in a recess in an annular solid outer insulating ring, the electrical conductors of the inner element are provided in a recess in an annular solid inner insulating ring, coaxial with the outer ring, the inner and outer insulating rings each defining a boundary surface extending in an axial direction, the boundary surfaces of the rings being placed in close proximity, the electrical conductors being placed with their contact surfaces at or near the boundary surface, Fig. 1

Classifications:
International (IPC 1-7): F16G15/00

Single Buoy Moorings Inc.

SHEETS 4
SHEET 1

Fig 1



(Attorney in Fact)
OF CANTWELL & CO.
AGENT FOR THE APPLICANT

Family:

Publication number	Publication date	Application number	Application date
IN01896CH2005 A	20070727	IN2005CH01896	20051223
IN266902 B	20150619	IN2005CH01896	20051223

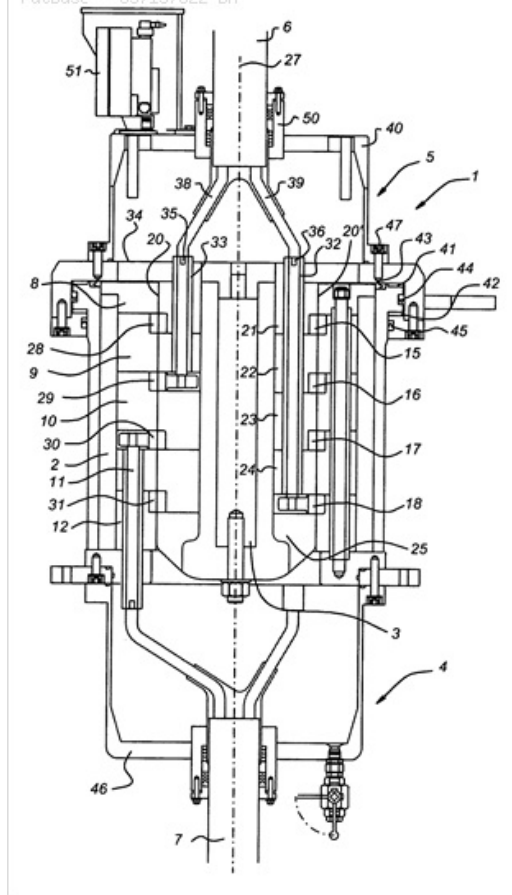
Probable Assignee: SINGLE BUOY MOORINGS INC**Assignee(s):** SINGLE BUOY MOORINGS INC**Inventor(s):** LONGMIRE STUART ; LONGMIRE STUART LE REAL ; PERRATONE RENE ; POLLACK JACK**34) Family number: 33801675** (US7137822 BA)

© PatBase

Title: HIGH VOLTAGE SWIVEL

Abstract: A high voltage swivel, includes an annular outer element defining a cylindrical chamber around a longitudinal axis and an inner cylindrical element coaxial with the outer element and rotatable relative thereto around the axis. The inner and outer elements each include at least two axially spaced conductors rotatable with the inner and outer elements, the conductors forming at least two pairs placed with contact surfaces in mutual electrical contact. One conductor in each pair is provided at the inner element, the other at the outer element and being connected to a respective voltage line which extends to an input terminal and to an output terminal respectively, the conductors being surrounded by an insulating material. The conductors of the outer element are provided in a recess in an annular solid outer insulating ring, the conductors of the inner element are provided in a recess in an annular solid inner insulating ring.

Classifications:**International (IPC 8-9):** H01R39/00**CPC:** B63J99/00 H01R13/523 H01R13/53 H01R35/04**US:** 439/24

**Family:**

Publication number	Publication date	Application number	Application date
US7137822 BA	20061121	US20050312431	20051221

Priority:

US20050312431 20051221

Probable Assignee: SINGLE BUOY MOORINGS INC
Assignee(s): (std): SINGLE BUOY MOORINGS
Assignee(s): SINGLE BUOY MOORINGS INC
Inventor(s): (std): LONGMIRE STUART ; PERRATONE RENE ; POLLACK JACK
Agent(s): YOUNG AND THOMPSON

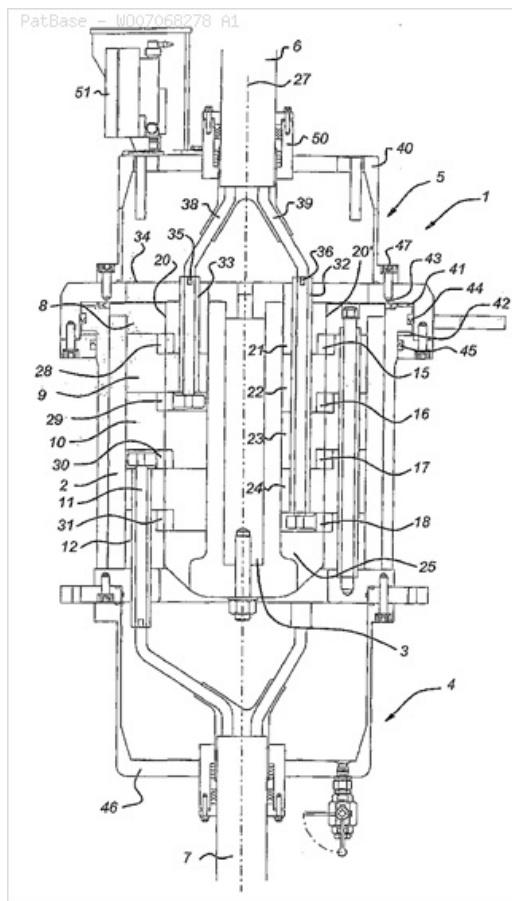
35) Family number: 34586855 (WO07068278 A1)

© PatBase

Title: HIGH OR MEDIUM VOLTAGE SWIVEL

Abstract: High voltage swivel, comprising an annular outer element around a longitudinal axis and an inner cylindrical element coaxial with the outer element and rotatable relative to said outer element around said axis, each comprising at least two axially spaced conductors rotatable with the inner and outer elements, the conductors forming pairs placed with contact surfaces in mutual electrical contact. One conductor in each pair is provided at the inner element, the other at the outer element and connected to a respective voltage line, the conductors of the outer element are provided in a recess in an annular solid outer insulating ring, the conductors of the inner element are provided in a recess in an annular solid inner insulating ring, coaxial with the outer ring, the inner and outer insulating rings each defining a boundary surface in an axial direction, the boundary surfaces of the rings being placed in close proximity, and the conductors with their contact surfaces at or near the boundary surface.

Classifications:**International (IPC 8-9):** H01R39/00 H01R39/64**CPC:** H01R13/523 H01R13/53 H01R39/64 H01R4/4881



Family:

Publication number	Publication date	Application number	Application date
AT440395 E	20090915	AT20050817894T	20051216
DE602005016171 D1	20091001	DE200560016171T	20051216
EP1972041 A1	20080924	EP20050817894	20051216
EP1972041 B1	20090819	EP20050817894	20051216
WO07068278 A1	20070621	WO2005EP13941	20051216

Priority:

WO2005EP13941 20051216

Probable Assignee: SINGLE BUOY MOORINGS

Assignee(s): (std): LONGMIRE STUART ; PERRATONE RENE ; POLLACK JACK ; SINGLE BUOY MOORINGS

Assignee(s): SINGLE BUOY MOORINGS INC

Inventor(s): (std): LONGMIRE STUART ; PERRATONE RENE ; POLLACK JACK

Agent(s): VAN WESTENBRUGGE ANDRIES

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

36) Family number: 53956433 (WO13076298 A1)

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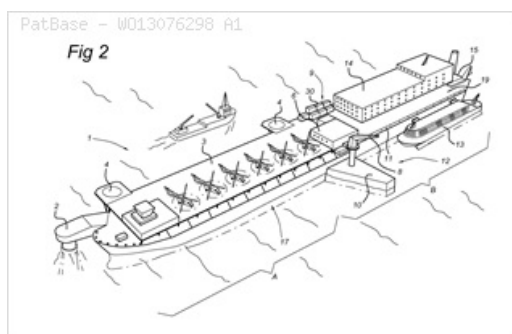
Title: FLOATING ACCOMODATION

Abstract: A floating accommodation or floating logistic hub (1) for offshore location includes a hull, that has a front section (A) and a rear section (B). The front section includes a turret (2) that is anchored to the sea bed to allowing the hull to weathervane, and on deck (19) of the front section a heliport (3, 4) with a parking area for at least two helicopters. The rear half section (B) includes an accommodation block (14) and an access system for transfer of personnel from and to a personnel transport vessel.

Classifications:

International (IPC 8-9): B63B35/50

CPC: B63B35/50



Family:

Publication number	Publication date	Application number	Application date
WO13076298 A1	20130530	WO2012EP73593	20121126

Priority:

EP20110190835 20111125 EP20120151120 20120113

Probable Assignee: SINGLE BUOY MOORINGS

Assignee(s): (std): SINGLE BUOY MOORINGS

Assignee(s): SINGLE BUOY MOORINGS INC

Inventor(s): (std): FERRI PATRICK

Agent(s): BOT DAVID

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

37) Family number: 7616646 (US3787870 A)

© PatBase

Title: LIMITED TRACKING REPOSITIONABLE AZ/EL TURRET TYPE ANTENNA

Abstract: For tracking missiles, such as communication and navigation missiles, which orbit synchronously with the earth and therefore remain relatively fixed as to azimuth and elevation with respect to a selected point on the earth's surface, adjustments of only a few degrees in azimuth and elevation are usually sufficient to keep an antenna focused on the satellite once the latter has attained a satisfactory orbit. The present invention is directed to a limited tracking antenna for such satellites, and the present disclosure is of a preferred embodiment of the invention. A triangular turret base is pivoted at one apex thereof to swing about an azimuth axis on a flat, horizontal support, structure, and is supported at each of the other apexes for limited slidable movement along a pair of slide plates removably mounted at angularly selected locations on the base. Azimuth control power drive means acts between the turret base and the support structure to control azimuth adjustment of the turret within the limits of movement permitted by the length of the slide plates.

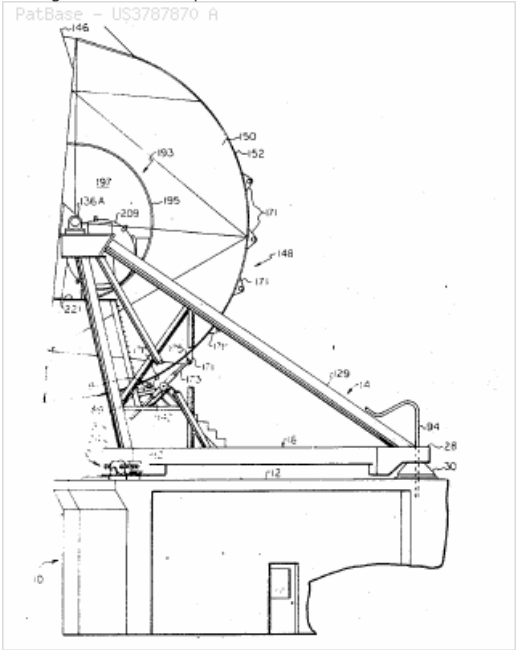
Classifications:

International (IPC 8-9): H01Q3/08

International (IPC 1-7): H01Q3/00 H01Q3/08

CPC: H01Q3/08

US: 343/765 343/912 343/76.5



Family:

Publication number	Publication date	Application number	Application date
US3787870 A	19740122	US19710113524	19710208

Priority:

US19710113524 19710208

Probable Assignee: ROCCI S

Assignee(s): (std): ROCCI S

Assignee(s): ROCCI S US

Inventor(s): (std): ROCCI S

Inventor(s): ROCCI S US

38) Family number: 30391527 (US2006165492 AA)

© PatBase

Title: LOADING SYSTEM FOR ICE INFESTED WATERS

Abstract: The invention relates to a loading system for transfer of hydrocarbons between an installation on the sea bed (16) and a floating vessel (10) in areas exposed to drifting ice. The system comprises a submerged turret buoy (19), a flexible riser (18) extending from the sea bed installation (24) to the buoy (19) intended to be securely connected to a corresponding pipe on board the vessel (10), and a plurality of mooring lines (17) connected to the buoy (19) and extending outwards therefrom. The system further comprises: protective means (20) for protecting the riser (18) from impacts when the riser

(18) is in an extended, load transferring mode, and a protective structure (24) located in or on the sea bed (16) for protection of the riser (18) when in a retracted position in a non-operative mode; that the protective structure (24) containing means (28) for storing the riser (18) in a protected position when disconnected and retracted from the vessel (10). The invention also relates to a method for mooring a vessel to a submerged turret buoy and a method for installing a riser protection means.

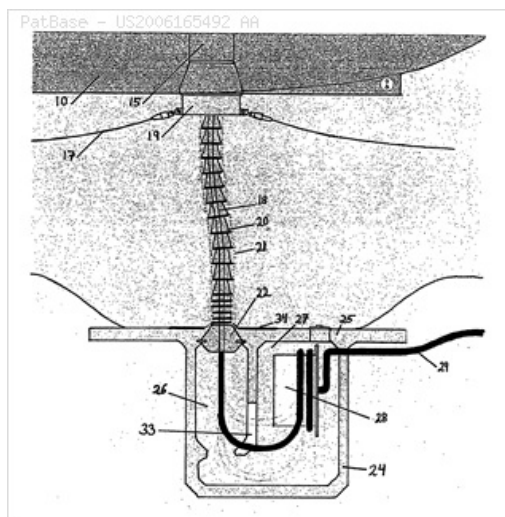
Classifications:

International (IPC 8-9): B63B1/00 B63B22/00 B63B22/02 B63B27/24 B63B27/34 E02B17/00 E02D5/22 E02D5/60 E21B43/00 E21B43/01 F16L57/00

International (IPC 1-7): B63B B63B1/00 B63B22/02 E02B17/00 E21B17/01

CPC: B63B22/021

US: 114/243 405/211 405/213 405/215 405/216 405/217



Family:

Publication number	Publication date	Application number	Application date
AU2003256178 AA	20040419	AU20030256178	20030821
CA2498822 AA	20050311	CA20032498822	20030821
CA2498822 C	20110426	CA20032498822	20030821
NO20024584 A	20040126	NO20020004584	20020924
NO20024584 A0	20020924	NO20020004584	20020924
NO316465 B1	20040126	NO20020004584	20020924
RU2005105052 A	20051010	RU20050105052	20030821
RU2344963 C2	20090127	RU20050105052	20030821
RU2008127211 A	20100120	RU20080127211	20030821
RU2475405 C2	20130220	RU20080127211	20030821
US2006165492 AA	20060727	US20030527991	20030821
US7524143 BB	20090428	US20030527991	20030821
WO04028894 A1	20040408	WO2003NO00289	20030821

Priority:

NO20020004584 20020924 WO2003NO00289 20030821

Probable Assignee: STATOIL PETROLEUM AS

Assignee(s): (std): BONNEMAIRE BASILE ; LOESET SVEINUNG ; STATOIL ASA ; STATOIL ASA

Assignee(s): LOSET SVEINUNG ; STATOIL PETROLEUM AS ; STATOILHYDRO ASA

Inventor(s): (std): BONNEMAIRE BASILE ; BONNEMAIRE BAZILE ; LEZET SVEJNUNG ; LOESET SVEINUNG ; LOSET SVEINUNG

Inventor(s): BASILE BONNEMAIRE ; SVEINUNG LOSET

Agent(s): FOLEY AND LARDNER LLP; FOLEY AND LARDNER LLP SUITE 500; FOLEY AND LARDNER LLP, SUITE 500; MARKS AND CLERK

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

39) Family number: 15363590 (US6226955 BA)

Title: METHOD AND APPARATUS FOR HANDLING BUILDING MATERIALS AND IMPLEMENTS

Abstract: A telescopic turret crane (126) is detachably connectable to a pedestal (118) that is incorporated into a concrete building structure that is under construction. The telescopic turret crane is provided with a base (122) that is detachably connected to the pedestal (118). The same pedestal (118) is sometimes used for supporting an articulated concrete placement boom (126). This boom (126) includes the similar base that is detachably connectable to the same pedestal (118). The concrete placement boom (126) is attached to the pedestal (118) and is used to pour a new upper floor in the building. Following this use, the articulated concrete placement boom (126) is detached from the pedestal (118) and is moved away from the pedestal (118). Then, the telescopic turret crane is brought to the pedestal (118) and is connected to the pedestal (118). The telescopic turret crane is used during the performance of tasks on or above the newly poured floor, in the vicinity of the pedestal (118). This includes erecting forms better used for forming columns and walls on the floor. Following this use, the telescopic turret crane (132) is detached from the pedestal (118) and is moved away from the pedestal (118). The articulated concrete placement boom (126) is returned and is again attached to the pedestal (118). It is then used for pouring the columns and walls and then constructing another new floor above the last one.

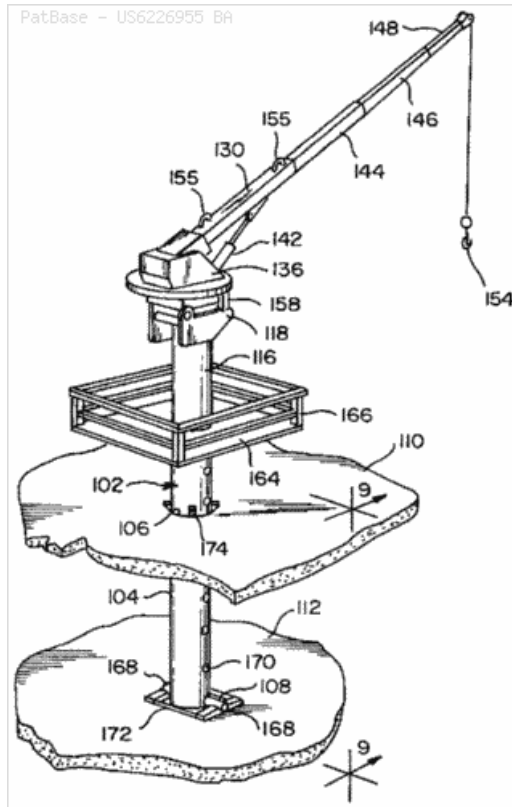
Classifications:

International (IPC 8-9): B66C23/00 B66C23/18 B66C23/20 E04G21/04

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

CPC: B66C23/18 B66C23/32 E04G21/04 E04G21/0427

US: 212/179 212/270 264/34 414/10 52/745.05



Family:

Publication number	Publication date	Application number	Application date
US6226955 BA	20010508	US19990352556	19990713

Priority:

US19980221618 19981228 US19990352556 19990713

Probable Assignee:

LORRIGAN JERRY L

Assignee(s):

LORRIGAN JERRY L

Inventor(s): (std):

LORRIGAN JERRY L

Inventor(s):

JERRY L LORRIGAN

Agent(s):

DELBERT J BARNARD

40) Family number: 22939702 (US3324912 A)

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Title: Apparatus for sectionizing fruit

Abstract: (Claim 1) 1. In an apparatus for processing peeled citrus fruit while it is supported in holding means, said fruit having its pie-shaped sections substantially removed from the associated membranes, the improvement comprising an oscillating seed striker for loosening the seeds from the pie-shaped sections and for separating some of the pie-shaped sections from the membrane, means for oscillating said seed striker, and a spinner for stripping the membrane from the remaining sections -

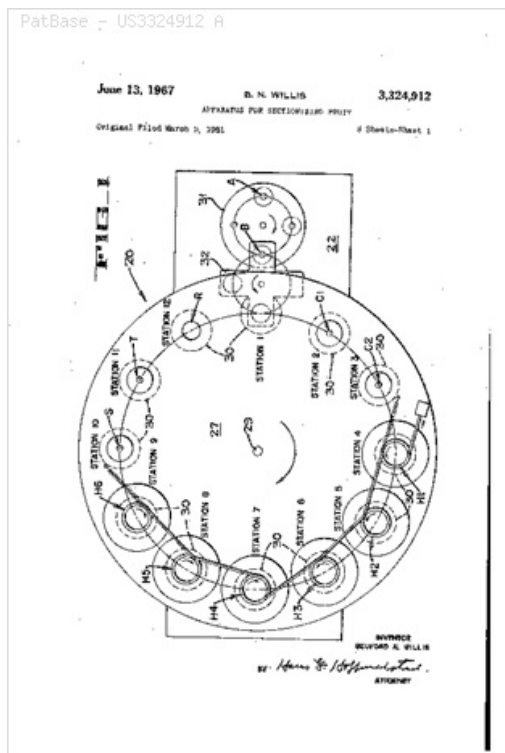
Classifications:

International (IPC 8-9): A23N4/00 A23N4/18

International (IPC 1-7): A23N1/02 A23N3/12 A23N3/14

CPC: A23N4/18

US: 269/22 99/486 99/538 99/551 99/552 99/557

**Family:**

Publication number	Publication date	Application number	Application date
US3148717 A	19640915	US19610109797	19610309
US3324912 A	19670613	US19640382724	19640715

Priority:

US19610109797 19610309 US19640382724 19640715

Probable Assignee:

FMC CORP

Assignee(s): (std):

FMC CORP

Inventor(s): (std):

WILLIS BEUFORD N

41) Family number: 50013296 (NO20100535 A)

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Title: PROGRESS MATE their arrangement MAINTENANCE, REPAIR AND REPLACEMENT OF SIZE OR HARDWARE COMPONENTS FOR windmills at sea (Machine translation)

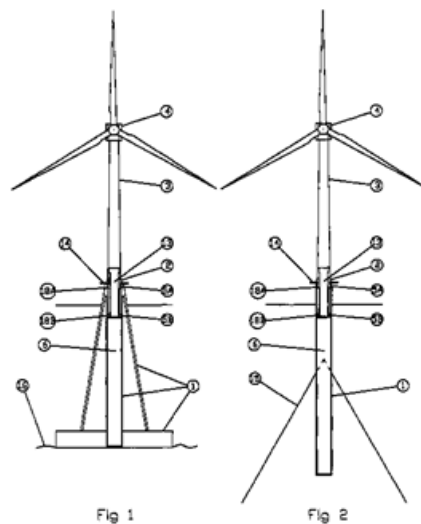
Abstract: Source: NO20100535 A **Machine translation:** The present invention vedroerer an increase feed and thereto tilhoerende devices for a could have carried out mass maintenance, repair, etc. of the nacelle (4) and propeller group rotor blade (17) to vindmoeller installed to sjoes, under access-related and work-friendly new conditions, in that regard, ifoelge invention, the nacelle (4) and propeller group (17) is lowered to the same level as adkomstbatene (19) has. Provisional mounted protection structure (8) muliggjoer such immersion without vertical propeller blade (17) comes into connection with sjoen. In its lowered position, the structure (8) also provide wind-free and toerre working conditions for maintenance and repair of propeller blades (17) or towed or gar own steam to land for the replacement of the rotor blade (17). Of goals for future repairs, maintenance or replacement of the entire nacelle (4) enables the propeller blade (17) which is threaded into the structure (8), loesnes from the nacelle (4) and the entire nacelle (4) with the remaining propellers blades (17) Skids of pa one transport barge (11) for internal transport to port. After carried out mass operations and or replacements reversed nedsenkingsoperasjonene and nacelle (4) with propeller group (17) loeftes up to its energy producing niva. Progress Food and thereto tilhoerende devices ifoelge invention can also be used in connection with the notification extreme weather by a lower nacelle (4), along with the tower and propeller group (17), to a lower and safer niva.

Classifications:

International (IPC 8-9): F03D11/00 F03D11/04

International (IPC 1-7): F03D11/04

CPC: Y02E10/72

**Family:**

Publication number	Publication date	Application number	Application date
NO20100535 A	20111017	NO20100000535	20100414
NO331394 B1	20111212	NO20100000535	20100414

Priority:

NO20100000535 20100414

Probable Assignee:

JAHR ODD

Assignee(s): (std):

JAHR ODD

Inventor(s): (std):

JAHR ODD

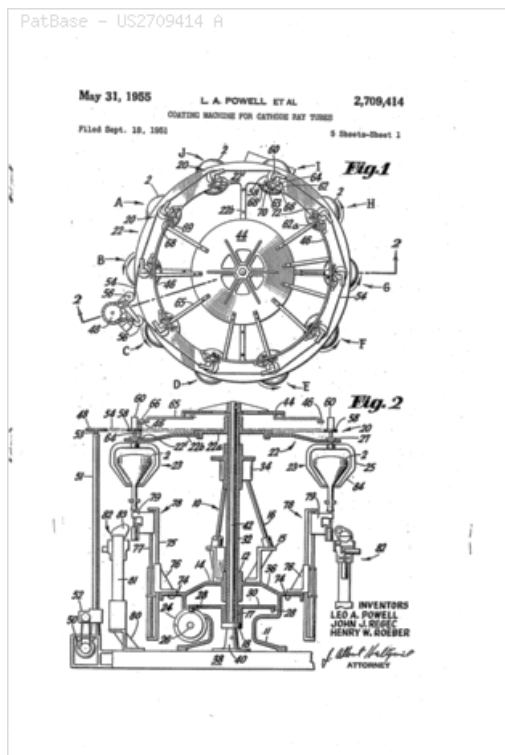
42) Family number: 22543280 (US2709414 A)

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Title: COATING MACHINE FOR CATHODE RAY TUBES

Abstract: (Claim 1) 1. An applicator apparatus, the combination of an elongated tubular member, a rod-like element, disposed within said tubular member in slidable relation thereto, an arm pivotally connected to said tubular member adjacent one end thereof, an applicator device at one end of said arm, a compression spring disposed within said tubular member at the opposite end thereof, a link element connecting said arm at a point spaced from said pivotal connection of said rod for translation of axial movement of said rod to pivotal movement of said arm, means for connecting said compression spring to said tubular member and to said rod to bias said rod in a direction to pivot said arm outwardly from said tubular member, and means coupled to said rod for moving said rod against the urge of said spring to pivot said arm to a position of substantial alignment with said tubular member.

Classifications:**International (IPC 8-9):** H01J29/88**International (IPC 1-7):** H01J29/88**CPC:** H01J2229/882 H01J29/88 Y10S118/03**US:** 118/215 118/230 118/232 118/243 118/503 118/DIG.3 118/DIG.003

**Family:**

Publication number	Publication date	Application number	Application date
US2709414 A	19550531	US19510247138	19510918

Priority:

US19510247138 19510918

Probable Assignee: SYLVANIA ELECTRIC PROD
Assignee(s): (std): SYLVANIA ELECTRIC PROD
Assignee(s): SYLVANIA ELECTRIC PRODUCTS INC
Inventor(s): (std): POWELL LEO A ; REGEC JOHN J ; ROEBER HENRY W

43) Family number: 55881776 (US2015251728 AA)

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Title: SEMI-SUBMERSIBLE INTEGRATED PORT

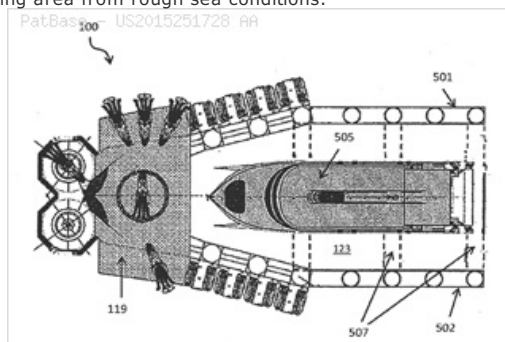
Abstract: A semi-submersible platform that is suitable to serve as a logistics hub at a remote offshore location. The semi-submersible platform is configured in a V-shape to reduce motion of the semi-submersible platform caused by rough sea conditions. The semi-submersible platform has a vessel docking area within the platform and a balancing unit to balance the unsymmetrical load of the platform that protects a vessel in the docking area from rough sea conditions.

Classifications:

International (IPC 8-9): B63B B63B1/10 B63B21/00 B63B22/02 B63B29/02 B63B35/00 B63B35/34 B63B35/38 B63B35/44 B63B35/50 B63B38/00 B63B39/00 E02B E02B3/06 E02B3/20

CPC: B63B1/107 B63B2001/128 B63B2035/4473 B63B21/00 B63B29/02 B63B35/38 B63B35/44 B63B35/4413 B63B35/50 B63B39/005 B63B21/507

US: 1/1 114/261 114/263

**Family:**

Publication number	Publication date	Application number	Application date
BR112015003746 A2	20170704	BR20151103746	20130424
CN104619583 A	20150513	CN201380044120	20130424
CN104619583 B	20170620	CN201380044120	20130424
DE602013049327 D1	20190124	DE201360049327T	20130424
EP2888160 A1	20150701	EP20130830885	20130424
EP2888160 A4	20160406	EP20130830885	20130424
EP2888160 B1	20190102	EP20130830885	20130424
HK1205725 A1	20151224	HK20150106326	20150702
HK1205725 B	20180406	HK20150106326	20150702
KR20150046054 A	20150429	KR20157004654	20130424
PL2888160 T3	20190628	PL20130830885T	20130424
SG11201500809W A1	20150330	SG20151100809	20130424
US2015251728 AA	20150910	US20130422666	20130424

US9463848 BB	20161011	US20130422666	20130424
WO14031074 A1	20140227	WO2012SG00299	20120823
WO14031075 A1	20140227	WO2013SG00165	20130424

Priority:

WO2012SG00299 20120823 WO2013SG00165 20130424 EP20130830885 20130424
SG20151100809 20130424

Probable Assignee: KEPPEL OFFSHORE AND MARINE LTD

Assignee(s): (std): HUANG XU WEN ; KEPPEI OFFSHORE AND MARINE LTD ; KEPPEL OFFSHORE AND MARINE LTD ;
MERCHANT AZIZ AMIRALI ; NAH HOCK CHOON EDWIN

Inventor(s): (std): AA ANIS ALTAF HUSSAIN ; AA AZIZ AMIRALI MERCHANT ; AK ANKIT KUMAR CHOUDHARY ; ANIS
ALTAF HUSSAIN ; ANKIT KUMAR CHOUDHARY ; AZIZ AMIRALI ; AZIZ AMIRALI MERCHANT ;
CHOUDHARY ANKIT KUMAR ; HCE HOCK CHOON EDWIN NAH ; HOCK CHOON EDWIN NAH ; HUANG XU
WEN ; HUSSAIN ANIS ALTAF ; MERCHANT ; MERCHANT AZIZ AMIRALI ; NAH HOCK CHOON EDWIN ; XU
WEN HUANG ; XW XU WEN HUANG

Inventor(s): ANIS ALTAF HUSSAIN AA ; ANKIT KUMAR CHOUDHARY AK ; AZIZ AMIRALI MERCHANT AA ; HOCK
CHOON EDWIN NAH HCE ; XU WEN HUANG XW

Agent(s): ALLEN AND GLEDHILL LLP; HOWSON RICHARD GB; HOWSON RICHARD GILES BENTHAM; KPPB LLP;
SANYOU INT INTELLECTUAL PROPERTY AGENCY HONG KONG LTD; SANYOU INTELLECTUAL PROPERTY
LTD

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR
CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID
IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR
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44) Family number: 74542999 (US2020392946 AA)

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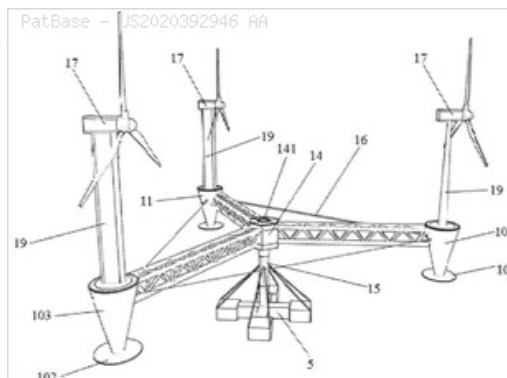
Title: SELF-ALIGNING TO WIND FACING FLOATING PLATFORM SUPPORTING MULTI-WIND TURBINES AND SOLAR FOR WIND
AND SOLAR POWER GENERATION AND THE CONSTRUCTION METHOD THEREON

Abstract: A self-aligning to the incoming wind floating platform supporting multiple wind turbines (**17, 18**) forms a wind
power generation unit. Under horizontal wind, the wind load resultant passes the center of geometry (or "C.Geo") of the wind
load receiving areas of the floating platform, but not the turning axis (**15**). This results in a yaw moment about the turning
axis (**15**) to turn the floating platform, until the wind load resultant simultaneously passes through the C.Geo and the turning
axis (**15**). A wind park or wind farm may include at least one of these floating platforms that are capable of self-aligning to
the incoming wind for electric power generation. The floating platform helps reduce the length of a submarine power cable
(**44**) of the platform, hence reducing electric resistance and subsequently heat loss, thereby reducing the cost of the
submarine power cable (**44**).

Classifications:

International (IPC 8-9): B63B35/44 B63B75/00 F03D13/25 F03D7/04
F03D9/25

CPC: B63B2035/446 B63B21/50 B63B35/44 B63B35/4406
B63B75/00 F03D1/02 F03D13/25 F03D7/0204 F05B2240/93
F05B2240/95 Y02E10/72 Y02E10/727



Family:

Publication number	Publication date	Application number	Application date
AU2018371270 AA	20200611	AU20180371270	20181126
CN109838351 A	20190604	CN201711187761	20171124
CN109838351 B	20200911	CN201711187761	20171124
DE112018006006 T5	20200813	DE201811006006T	20181126
ES2772950 AB	20200708	ES20200090018	20181126
ES2772950 R1	20200710	ES20200090018	20181126
GB202009177 A0	20200729	GB20200009177	20181126
GB2583244 A1	20201021	GB20200009177	20181126
SG11202004844X A1	20200629	SG20201104844	20181126
US2020392946 AA	20201217	US20200882514	20200524
WO19102434 A1	20190531	WO20181859317	20181126

Priority:

CN201711187761 20171124 WO20181859317 20181126 US20200882514 20200524

Probable Assignee: HUANG CANGUANG

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ZHUHAI KALUOSI MACAU ENG CONSULTANT LTD

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Inventor(s): (std): CARLOS WONG ; WONG CARLOS

Agent(s): GUSTAVO ADOLFO GONZALEZ PECES; MARTIN IP PTY LTD; TER MEER STEINMEISTER AND PARTNER
PATENTANWALTE MBB

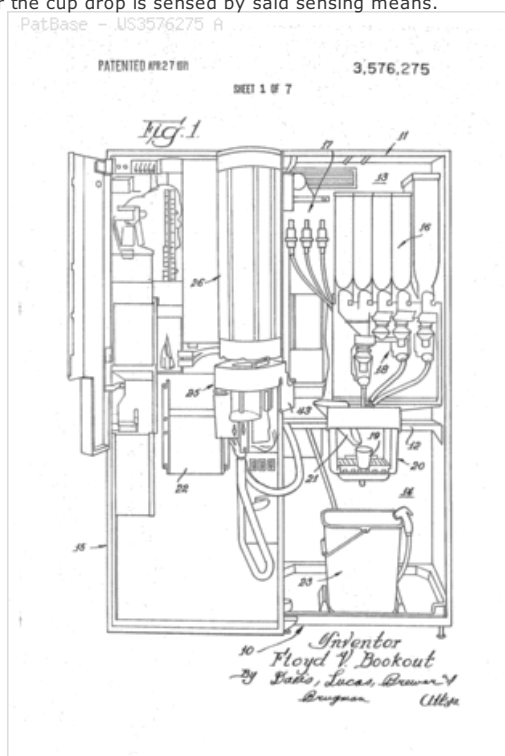
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR
CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU
ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG

45) Family number: 950837 (US3576275 A)

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Title: CUP-HANDLING MECHANISM

Abstract: (Claim 1) 1. In a vending machine utilizing disposable cups stored in vertical stacks carried by a magazine indexable to successive positions for aligning cups over an underdisposed cup drop, the combination comprising: reciprocating linkage means for operating the cup drop whereby to strip individual cups from a stack thereof positioned over the cup drop, an oscillatable mechanism including sensing means operable to sense the presence or absence of cups over said cup drop, drive gear and ratchet means adjacent said sensing means and rotatable about a fixed axis, a single cam means operable to reciprocate said linkage means and oscillate said mechanism in response to rotation thereof, a single motor means for rotatably driving said cam means, shaft means coaxial of the magazine for rotatably supporting and indexing the latter, periodically actuated drive means between said shaft means and said drive gear and ratchet means for effecting selected indexing movements of the magazine means in response to rotation of said drive gear and ratchet means, and means on said sensing means engageable with said ratchet means for effecting rotation of the latter during each oscillating cycle of said mechanism in which the absence of cups over the cup drop is sensed by said sensing means.

Classifications:**International (IPC 8-9):** G07F13/10**International (IPC 1-7):** G07F11/00 G07F13/10**CPC:** G07F13/10**US:** 221/104 221/105 221/11 221/222**Family:**

Publication number	Publication date	Application number	Application date
US3576275 A	19710427	US19690822955	19690508

Priority:

US19690822955 19690508

Probable Assignee:

ROCK OLA MFG CORP

Assignee(s): (std):

ROCK OLA MFG CORP

Inventor(s): (std):

BOOKOUT FLOYD V

Inventor(s):

FLOYD V BOOKOUT

46) Family number: 702645 (GB1161250 A)

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Title: Container Closure Applying Apparatus and Enclosure Therefor

Abstract: 1,161,250. Capping cans, c. JAMES DOLE ENG. CO. 27 Sept., 1967, No. 44075/67. Heading B8T. Filled cans, c. are advanced into an enclosed capping station where lids are seamed on under aseptic conditions in a sterile atmosphere, the capping station comprising a rotary table with vertically reciprocable can carriers, the table together with enclosing walls and a top providing a space to which sterilized gas is fed, escaping continuously through an open exit for the closed cans. Filled but open cans 42, Fig. 3, are advanced from a filling station by a conveyer 46 to a ring-shaped rotary table 35, 60, c. Each can 42, Fig. 4, is received on a platform 41, which rises and falls as the table 35, c. rotates. The rotary table 35 is journaled in and forms part of an enclosure including walls 79, c. and is supplied with superheated steam, c. through pipes 95, 97, c. Above the cans 42, lids 51, Fig. 3, are advanced by a feedwheel 56, c. to seamer heads 34 (not further described) rotating with the table 35, c. The feedwheel 56 has magnetized pusher fingers 55 to engage the lids 51. As the table 35 rotates and the platforms 41 rise, c., the cans 42 are lifted against the lids 51 in the seamer heads 34, and when the lids have been secured, are lowered away from the seamer heads. If a lid 51 is supplied but the corresponding can 42 is missing, the lid is ejected, due to its own moment of inertia, down an open shoot 108 and out of the enclosure 79, c. The table 35 comprises a central shaft fast with a ring 60 having flanged holes 66 through which the can platforms 41 reciprocate. The filled and capped cans 42 are removed from the rotary table 35 by a starwheel 57, which passes them down an exit shoot 23. The walls 79 of the enclosure are formed with hinged doors, and may be replaced by taller or shorter walls if it is necessary to adjust the machine to accommodate different sized cans. Superheated steam escapes continuously from small gaps between the walls 79, around the rotary table, c. and down the lid reject shoot 108, c. The cap applying device is part of a can sterilizing and filling complex comprising a steam superheater (24), Fig. 1 (not shown), connected by pipes (27) to a

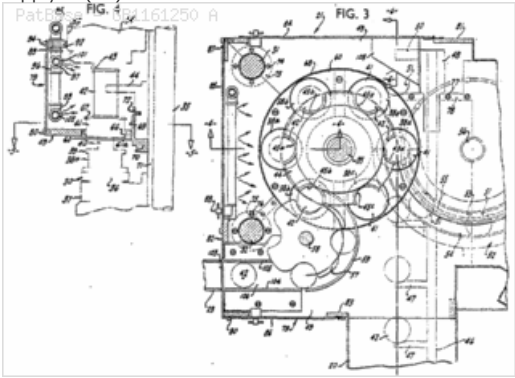
sequentially arranged can sterilizer (15), a can filler (18), and the cap applier (21).

Classifications:

International (IPC 8-9): B65B55/02

International (IPC 1-7): B65B55/02 B67B3/24

CPC: B65B55/027



Family:

Publication number	Publication date	Application number	Application date
GB1161250 A	19690813	GB19670044075	19670927

Priority:

GB19670044075 19670927

Probable Assignee:

DOLE ENG CO JAMES

Assignee(s): (std):

DOLE ENG CO JAMES

Assignee(s):

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Inventor(s): (std):

GUCKEL GERHART AUGUST

Inventor(s):

GERHART AUGUST GUCKEL

47) Family number: 990090 (US3638806 A)

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Title: PORTABLE CRANE WITH EXTENDABLE BOOM

Abstract: Portable crane with extendable boom of concentrically and eccentrically disposed telescoping tubes in which the first section is a rigid, high-strength square tube and the remaining sections are of progressively reduced diameters with a large diameter cylindrical tube as a second section defining with the first section triangular channels therebetween at the four corners to house sheaves and cable flights of an extension cable system that provides a mechanical advantage greater than two to one for extending the second section and the remaining telescoped tube sections proportionately.

Classifications:

International (IPC 8-9): B66C23/00 B66C23/687 B66C23/70

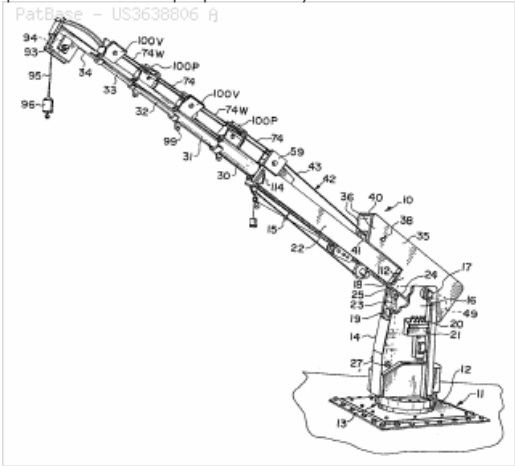
B66F11/04 E06C5/00 E06C5/04

International (IPC 1-7): B66C23/04 B66C23/06 B66F11/04

C07D475/02 E06C5/06 E06C7/16

CPC: B66C23/703 B66F11/046 E06C5/04

US: 182/106 182/2 182/2.5 212/231 212/55 52/121 521/210 182/0.2



Family:

Publication number	Publication date	Application number	Application date
US3638806 A	19720201	US19690846825	19690801
US3710893 A	19730116	US19710154975	19710621

Priority:

US19690846825 19690801

US19710154975 19710621

Probable Assignee: BLISS AND LAUGHLIN IND

Assignee(s): (std): BLISS AND LAUGHLIN IND

Assignee(s):

AMERICAN LAFRANCE LLC ; BLISS AND LAUGHLIN IND INC US ; BLISS AND LAUGHLIN INDUSTRIES INC ; PATRIARCH PARTNERS AGENCY SERVICES LLC

Inventor(s): (std):

HIPPACH W ; HIPPACH WILBURN L

Inventor(s):

HIPPACH W US ; WILBURN L HIPPACH

48) Family number: 968310 (US3604011 A)

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Title: TURRET-TYPE LARGE APERTURE ANTENNA PRECISION MOUNTED ON CIRCULAR TRACK

Abstract: (Claim 1) 1. A turret-type elevation over azimuth antenna of the type having a reflector, a turret, a pedestal,

Family:

Publication number	Publication date	Application number	Application date
GB441504 A	19360121	GB19340023592	19340815

Priority:

GB19340023592 19340815

Probable Assignee: ALFRED JOSEPH BAILLOT

Assignee(s): (std): ALFRED JOSEPH BAILLOT

50) Family number: 48164051 (US2012114484 AA)

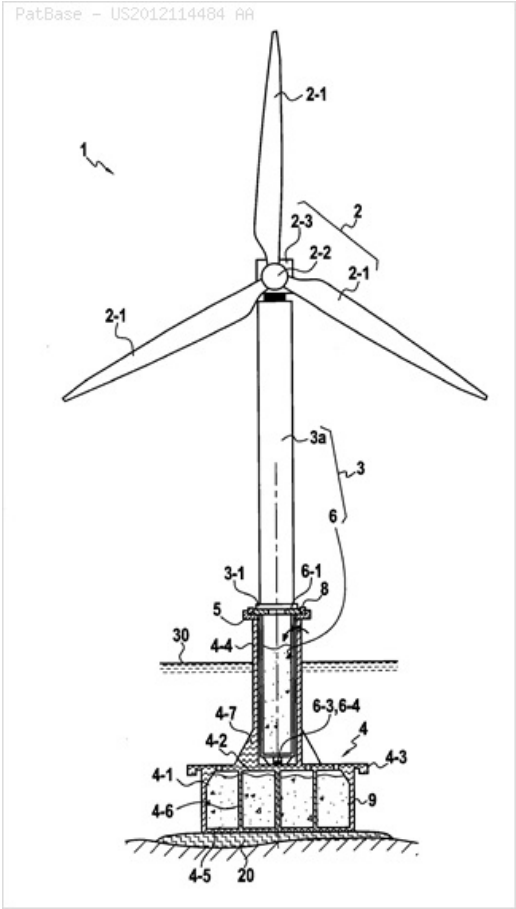
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Title: MARINE WIND TURBINE HAVING A PYLON VERTICALLY ADJUSTED BY SETTING

Abstract: An off-shore wind turbine with a base supporting a pylon and a wind engine, the wind turbine being characterized in that the said base includes a tubular cavity, a bottom portion of said pylon being fixed in embedded manner inside said tubular cavity using a device that enables the angle of inclination of the axis (ZZ') of the pylon to be adjusted relative to the axis (Z1Z'1) of the tubular cavity; and the adjustment device includes independent chocking mechanism interposed between the pylon bottom portion and the tubular cavity; and a centering mechanism secured to the pylon bottom portion and/or to the tubular cavity, the centering mechanism being situated inside the tubular cavity below at least some of the chocking mechanism and suitable for holding the point of intersection of the axis (ZZ') of the pylon bottom portion with the axis (Z1Z'1) of the tubular cavity in a fixed position.

Classifications:

International (IPC 8-9): E02D27/42 E02D27/52 E04H12/08
E04H12/18 E04H12/22 F03D1/00 F03D11/04 F03D13/20 F03D7/02
CPC: E02D27/42 E02D27/425 E02D27/52 E04H12/085 F03D13/22
F05B2240/95 F05B2240/97 Y02E10/72 Y02E10/727 Y10T29/49316
US: 29/889 29/889S 416/10 416/10P 416/246



MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST
SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW