

Search history

Search 1: TAC=(washing) and PA=(whirlpool) (Results 43)
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Search 5: TAC=(accessing wind tower) (Results 0)
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Search 7: FT=(platform wind tower) (Results 0)
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Title: Multi-reel operational lines laying vessel

Abstract: Source: US4687376A A reel pipelaying vessel having multiple reels for laying operational lines in a wide range of water depths. An operational lines laying device is mounted on the vessel in order to provide supporting means for the simultaneous layout of a plurality of operational lines at a common velocity and in a predetermined relationship to one another. Motive means are interconnected to the multiple reels in order to control the rate of layout. Separate or combined straightening and tensioning devices can be employed for handling the rigid walled pipeline contained within the operational lines. The straightening and tensioning devices can be mounted for pivotal movement with respect to the vessel deck or can be operated in fixed planes with respect to the deck. Six or more operational lines can be simultaneously laid out with the vessel described.

Classifications:**International (IPC 8-9):** B65H51/00 E02D15/00 F16L1/14 F16L1/20

F16L1/23 (Advanced/Invention);

B65H51/00 E02D15/00 F16L1/12 (Core/Invention);

F16L (Subclass/Invention)

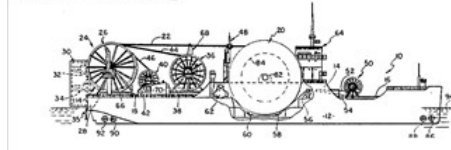
International (IPC 1-7): B21D3/00 B63B27/24 B63B35/04 B63B35/2 B63B35/44

B65H51/00 B65H54/28 B65H75/48 E02D15/00 F16L1/04 F16L1/12 F16L1/14

CPC: F16L1/202 F16L1/203 F16L1/207 F16L1/23**European:** F16L1/20C F16L1/20C2 F16L1/20C8 F16L1/23**US:** 242/388.7 242/397.2 242/403 242/54R 254/134.3SC 405/166 405/168 405/168.1

405/168.3 405/168.4 72/161

PatBase - US4687376_r

**Family:**

Publication number	Publication date	Application number	Application date
AU198546413 A1	19860306	AU19850046413	19850819
AU198816627 A1	19880811	AU19880016627	19880525
AU198816628 A1	19880811	AU19880016628	19880525
AU198816629 A1	19880811	AU19880016629	19880525
AU569991 B2	19880225	AU19850046413	19850819
AU593444 B2	19900208	AU19880016628	19880525
AU594575 B2	19900308	AU19880016629	19880525
AU594879 B2	19900315	AU19880016627	19880525
BRPI8504114 A	19860617	BR1985PI04114	19850828
BRPI8600951 A	19870304	BR1986PI00951	19860305
CA1251053 A1	19890314	CA19850485266	19850626
CA1261156 A1	19890926	CA19850577063	19850626
CA1261156 A2	19890926	CA19880577063	19880909
CA1261156 C	19890926	CA19850485266	19850626
CA1261157 A1	19890926	CA19850577064	19850626
CA1261157 A2	19890926	CA19880577064	19880909
CA1261310 A1	19890926	CA19850577062	19850626
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DK398585 A	19860301	DK19850003985	19850830
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NO174598 B	19940221	NO19880002166	19880518
NO174598 C	19940601	NO19880002166	19880518
NO853415 A	19860303	NO19850003415	19850830
NO862322 A	19870123	NO19860002322	19860610
NO862322 A0	19860610	NO19860002322	19860610
NO882166 A	19860303	NO19880002166	19880518
NO882166 A0	19880518	NO19880002166	19880518
US4687376 A	19870818	US19840646112	19840831
US4721411 A	19880126	US19870010298	19870202
US4723874 A	19880209	US19870009835	19870202
US4789108 A	19881206	US19870010163	19870202
US4820082 A	19890411	US19870048454	19870511
US4917540 A	19900417	US19880268237	19881107
US4961671 A	19901009	US19900484479	19900226
US4984934 A	19910115	US19880267973	19881107

Priority:

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CA19880577063 19880909

Assignee(s): (std): SANTA FE INT CORP ; STENA OFFSHORE LTD

Assignee(s): SANTA FE INT TE ALHAMBRA CALIFORNIE VER ST V AM CORP ; SANTA FE INT TE ALHAMBRA CAL CORP ; SANTE FE INT CORP ; CHEMICAL BANK ; RECALDE CARLOS E ; SANTA FE INT

Inventor(s): (std): RECALDE CARLOS E ; RECALDE CARLOS EDUARDO

Inventor(s): CARLOS EDUARDO RECALDE

Title: HIGH TOWER WIND GENERATING SYSTEM

Abstract: Source: US5062765A A more efficient wind power generation system is afforded by extending tower heights to several hundred meters to operate wind catching rotors and generators aligned with the wind direction at various levels along the tower. With multiple vertically cascaded wind generators and higher velocity winds at higher elevations greater power is produced in a system characterized by a small footprint. This is particularly enhanced by a single mast construction, which is supported by a dynamic guy wire tensioning system to accommodate varying lateral forces primarily caused by the change in direction of wind loads on the tower. The mast is built from modular sections connected together at articulated joints, between which the various rotors are stationed. Thus, the accumulated torques and lateral stresses in the tower are minimized and do not accumulate along the length of the tower thereby to lengthen life expectation and reduce the chances for catastrophic failure in the presence of the higher velocity winds encountered. Also maintenance at such heights necessary where movable parts are present, is enhanced by an internal lift in the mast structure and an uppermost work platform with a rotatable lifting crane.

Classifications:

International (IPC 8-9): F03D1/00 F03D11/04 (Advanced/Invention); F03D1/00 F03D11/00 (Core/Invention)

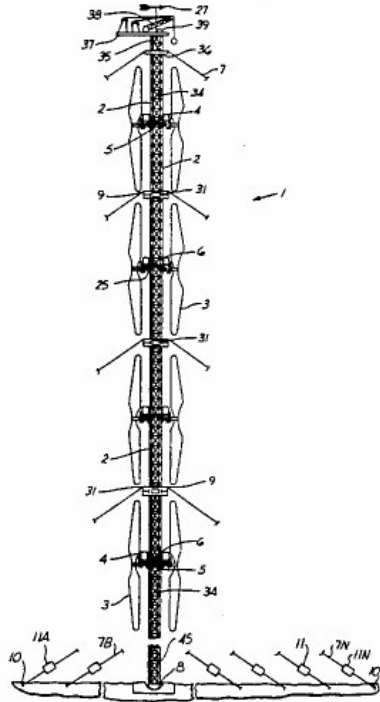
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CPC: Y10S415/908 F03D1/00 F03D11/04 F05B2240/40 F05B2240/9121 F05B2240/916 Y02E10/728 Y10T74/18696 Y10T74/19847 Y10T403/32049 Y10T403/32181

European: F03D1/00 F03D11/04

US: 290/44 290/55 403/58 403/74 415/4.3 415/4.5 415/908 416/132B 416/9 464/125 52/114 52/30 52/65 74/412TA 74/424.8R 74/89.15 74/89.38

PatBase - US5062765_A



Family:

Publication number	Publication date	Application number	Application date
US5062765 A	19911105	US19900542578	19900625
US5146096 A	19920908	US19910735319	19910724
US5182458 A	19930126	US19920850992	19920312

Priority:

US19900542578 19900625 US19910735319 19910724

Assignee(s): (std): MCCONACHY H REGINALD ; MCCONACHY HARRY R

Inventor(s): (std): MCCONACHY H REGINALD ; MCCONACHY HARRY R

Title: GUIDE RAIL CLIMBING LIFTING PLATFORM AND METHOD

Abstract: Source: US2002084142A A guide rail system is used to erect towers, to place equipment on towers and for maintenance of towers. The guide rail may be added to existing towers. a climbing lifting platform is attached to the guide rails and is used to transport items up and down the tower. The platform may also be used to carry up tower sections during erection of the tower.

Classifications:

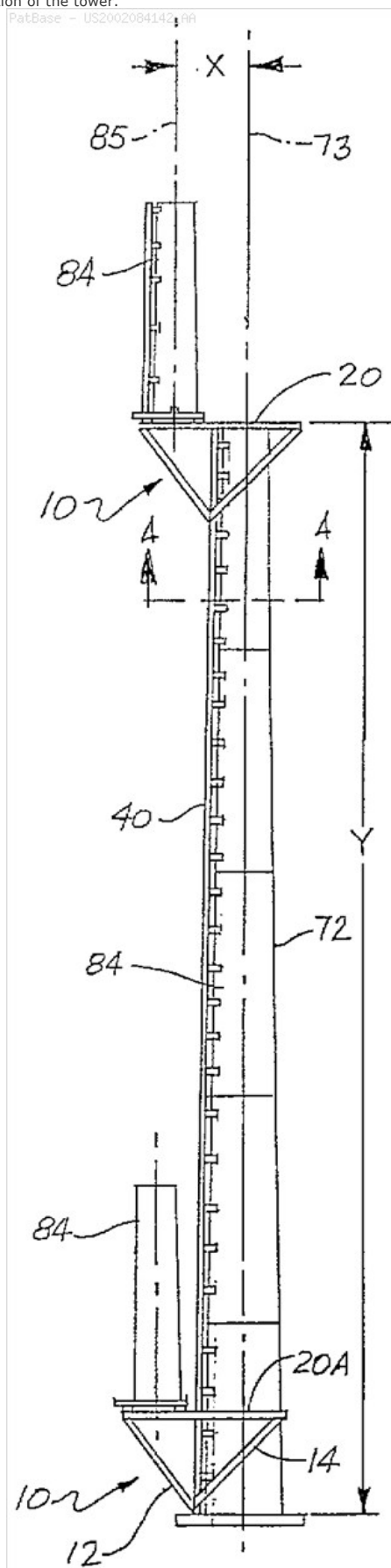
International (IPC 8-9): B66B9/187 F03D1/00 (Advanced/Invention)

International (IPC 1-7): A63B27/00 B66B9/187

CPC: E04H12/342 F03D1/001 B66B9/187 F05B2230/61 Y02E10/728

European: B66B9/187 F03D1/00B R05B230/610 Y02E10/72N

US: 182/103 182/133 182/19 52/745.01



Family:

Publication number	Publication date	Application number	Application date
AT305895 E	20051015	AT20000710007T	20000602

DE60022944 D1	20051110	DE20006022944	20000602
DE60022944 T2	20060323	DE20006022944T	20000602
DK1057770 T3	20060220	DK20000710007T	20000602
EP1057770 A2	20001206	EP20000710007	20000602
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EP1057770 B1	20051005	EP20000710007	20000602
ES2248034 T3	20060316	ES20000710007T	20000602
PT1057770 T	20051130	PT20000710007T	20000602
US2002084142 AA	20020704	US20020082878	20020226
US6357549 BA	20020319	US20000586013	20000602

Priority:

US19990137321P 19990603 US20000586013 20000602 US20020082878 20020226

Assignee(s): (std): D H BLATTNER AND SONS INC ; ELGOOD MAYO CORP

Assignee(s): ELGOOD MAYO CORP LANCASTER ; FREDRICKSON RALPH DOUGLAS ; LEISENING BRENT R ; D H BLATTNER AND SONS INC
AVON ; DH BLATTNER AND SONS INC ; DIEDRICH CARL W ; BRENNAN DONALD D ; BURKHART GEORGE M

Inventor(s): (std): LEISENRING BRENT R ; LEISENING BRENT R ; FREDRICKSON RALPH DOUGLAS ; DOUGLAS FREDRICKSON RALPH ;
DIEDRICH CARL W ; BURKHART GEORGE M ; BRENNAN DONALD D

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

Title: WIND FARM

Abstract: Source: US2004056486A The present invention relates to wind farms, so called, comprising at least two wind turbines and in particular to offshore wind farms. In order to provide a wind farm in which transport between separate wind turbines can be effected more safely and with less dependence on weather, at least one cable connection 10 is provided between at least two of the wind turbines 12 of a wind farm, and a vessel 14 is disposed on said cable connection 10.

Classifications:

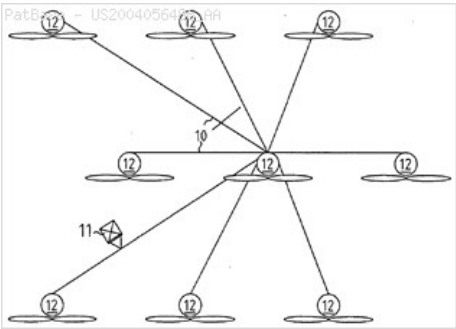
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International (IPC 1-7): B61B12/02 B61B7/00 B63B35/44 F03D11/00 F03D11/04 F03D9/00 F03D9/02 H02P9/00

CPC: B61B7/00 F03D11/00 F05B2230/80 F05B2240/95 F05B2240/96 Y02E10/722 Y02E10/72

European: B61B7/00 F03D11/00 R05B230/80 R05B240/95 R05B240/96 Y02E10/72D Y02E10/72H Y02E10/72N

US: 104/112 104/173.1 104/18 104/249 104/251 290/44



Family:

Publication number	Publication date	Application number	Application date
AT327132 E	20060615	AT20010965267T	20010908
AU2001285938 AA	20020429	AU20010285938	20010908
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AU200185938 A5	20020429	AU20010085938D	20010908
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CN1469825 A	20040121	CN20018017530	20010908
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DE50109899 D1	20060629	DE20015009899	20010908
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EP1328429 B1	20060524	EP20010965267	20010908
ES2261461 T3	20061116	ES20010965267T	20010908
IN00546CN2003 A	20050415	IN2003CN00546	20030416
IN201554 B	20070223	IN2003CN00546	20030416
JP2004511706 T2	20040415	JP20020535941T	20010908
KR100638081 B1	20061024	KR20037005307	20030416
KR20030036935 A	20030509	KR20037005307	20030416
PT1328429 T	20060831	PT20010965267T	20010908
TR200300480 T2	20030922	TR20030000480T	20010908
US2004056486 AA	20040325	US20030399574	20030919
US7337726 BB	20080304	US20030399574	20030919
WO0232739 A1	20020425	WO2001EP10391	20010908

Priority:

DE20001051513 20001017 WO2001EP10391 20010908 DE20015009899 20010908

Assignee(s): (std): ALOYS WOBLEN ; WOBLEN ALOYS

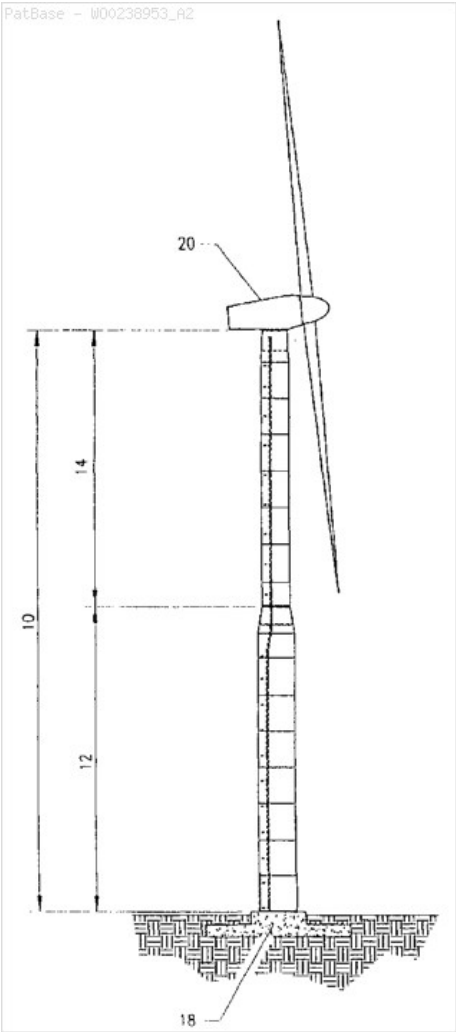
Inventor(s): (std): WOBLEN ALOYS ; ALOYS WOBLEN

Agent(s): SEED IP LAW GROUP PLLC

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Title: **WIND TOWER** WITH LADDERS AND **PLATFORMS**

Abstract: A ladder assembly for a tower for a wind power generation.
Classifications:
International (IPC 8-9): E06C9/02 F03D1/00 (Advanced/Invention)
International (IPC 1-7): E04G1/24 F03D
CPC: E06C9/02 F03D1/003 Y02E10/72
European: E06C9/02 F03D1/00C Y02E10/72



Family:

Publication number	Publication date	Application number	Application date
AU2002225600 AA	20020521	AU20020225600	20011109
WO0238953 A2	20020516	WO2001US42932	20011109
WO0238953 A3	20030501	WO2001US42932	20011109

Priority:

US20000716123 20001109 WO2001US42932 20011109

Assignee(s): (std): BEAIRD IND INC

Assignee(s): BEAIRD INDUSTRIES INC

Inventor(s): (std): MALISZEWSKI LEONARD P ; LASHLEY PATRICK C

Inventor(s): PATRICK C LASHLEY ; LEONARD P MALISZEWSKI

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 TR TT TZ UA UG UZ VN YU ZA ZW

Title: Flange with cut for wind tower

Abstract: Source: US6532700B A flange for making a tower for a wind generator made up of a plurality of cylindrical segments, at least one conical transition rings, a plurality of L-shaped flanges having L cuts and a T-shaped flange.

Classifications:

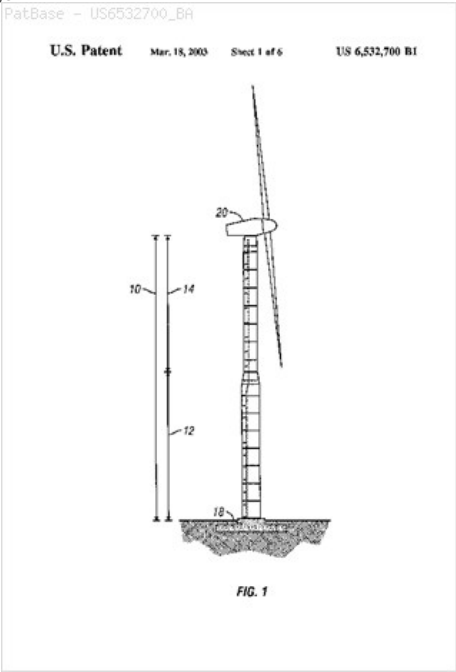
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International (IPC 1-7): E04H12/00 E04H12/08

CPC: E04H12/085 E04H12/34 F03D11/04 Y02E10/728

European: E04H12/08F E04H12/34 F03D11/04 Y02E10/72N

US: 174/45R 290/44 343/875 52/40 52/400 52/848



Family:

Publication number	Publication date	Application number	Application date
AU2002217766 AA	20020521	AU20020217766	20011109
US6532700 BA	20030318	US20000716122	20001109
WO0238891 A1	20020516	WO2001US42930	20011109

Priority:

US20000716122 20001109 WO2001US42930 20011109

Assignee(s): (std): BEAIRD IND INC

Assignee(s): BEAIRD INDUSTRIES ; BEAIRD INDUSTRIES INC ; SANDSTONE ENTERPRISES LLC ; BEAIRD CO LTD ; BEAIRD IND

Inventor(s): (std): LASHLEY PATRICK C ; MALISZEWSKI LEONARD P

Inventor(s): PATRICK C LASHLEY ; LEONARD P MALISZEWSKI

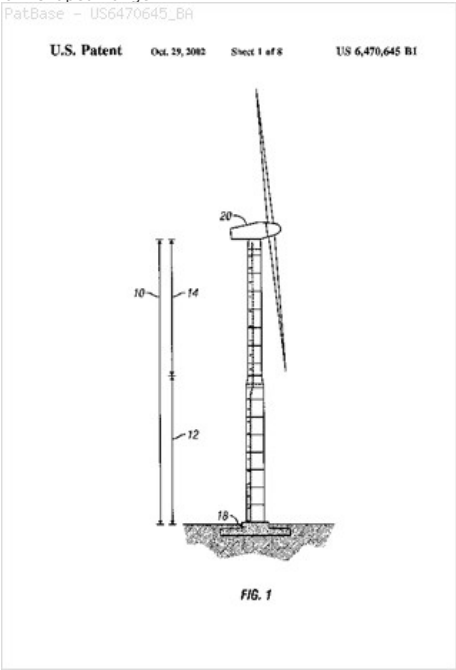
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Title: Method for making and erecting a **wind tower**

Abstract: Source: US6470645B A method for making a tower for a wind generator made up of a plurality of cylindrical segments, a plurality of transition rings with at least one being frustro-conical, a plurality of L-shaped flanges and a T-shaped flange.

Classifications:

International (IPC 8-9): E04H12/08 E04H12/34 F03D11/04 (Advanced/Invention)
International (IPC 1-7): E04H12/08
CPC: E04H12/085 E04H12/34 F03D11/04 F03D11/045 F05B2240/912 Y02E10/728
European: E04H12/08F E04H12/34 F03D11/04 F03D11/04B R05B240/912 Y02E10/72N
US: 52/40 52/745.18



Family:

Publication number	Publication date	Application number	Application date
AU2002219784 AA	20020521	AU20020219784	20011109
US6470645 BA	20021029	US20000716118	20001109
WO0238890 A1	20020516	WO2001US42929	20011109

Priority:

US20000716118 20001109 WO2001US42929 20011109

Assignee(s): (std): BEAIRD IND INC

Assignee(s): BEAIRD INDUSTRIES ; BEAIRD INDUSTRIES INC ; SANDSTONE ENTERPRISES LLC ; BEAIRD CO LTD ; BEAIRD IND

Inventor(s): (std): LASHLEY PATRICK C ; MALISZEWSKI LEONARD P

Inventor(s): PATRICK C LASHLEY ; LEONARD P MALISZEWSKI

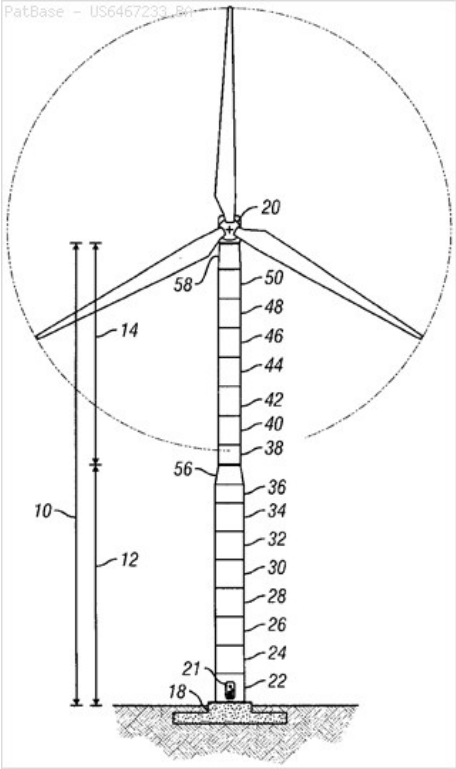
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Title: **Wind tower**

Abstract: Source: US6467233B A tower for a wind generator made up of a plurality of sections to which are affixed a plurality of transition rings, at least one being conical in shape, a plurality of L-shaped flanges and a T-shaped flange.

Classifications:

International (IPC 8-9): F03D11/04 (Advanced/Invention)
International (IPC 1-7): E04H12/00 E04H12/34 F03D1/06
CPC: E04H12/085 F03D11/04 F05B2240/912 Y02E10/721 Y02E10/728
European: E04H12/08F F03D11/04 R05B240/912 Y02E10/72B Y02E10/72N
US: 290/44 290/55 415/208.1 52/170 52/245 52/725 52/726.4 52/736.1 52/736.2 52/831 52/848 527/201



Family:

Publication number	Publication date	Application number	Application date
AU2002225599 AA	20020521	AU20020225599	20011109
US6467233 BA	20021022	US20000711211	20001109
WO0238952 A2	20020516	WO2001US42931	20011109
WO0238952 A3	20020801	WO2001US42931	20011109

Priority:

US20000711211 20001109 WO2001US42931 20011109

Assignee(s): (std): BEAIRD IND INC

Assignee(s): BEAIRD INDUSTRIES ; BEAIRD INDUSTRIES INC ; SANDSTONE ENTERPRISES LLC ; BEAIRD CO LTD ; BEAIRD IND

Inventor(s): (std): MALISZEWSKI LEONARD P ; LASHLEY PATRICK C

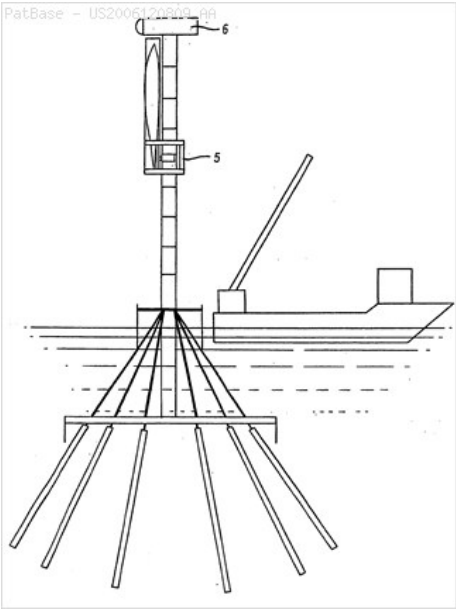
Inventor(s): PATRICK C LASHLEY ; LEONARD P MALISZEWSKI

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 TR TT TZ UA UG UZ VN YU ZA ZW

Title: METHOD AND CRANE FOR INSTALLING, MAINTAINING AND DECOMMISSIONING WIND TURBINES

Abstract: Source: US2006120809A Method and apparatus for installing, maintaining and decommissioning wind turbines, both onshore and offshore, comprises a crane having extendable legs that allow it to climb a tower that it is erecting in sections by engaging the tower by friction or mechanical interference. The crane may carry the wind turbine nacelle on its upper members during construction of the tower and may be fitted with a crane for handling tower sections, or it may carry an "A" crane for lifting the nacelle and its components once the tower is complete or for constructing heavy maintenance. The crane may be fitted with various lifting and handling means to facilitate maintenance or the installation, maintenance or removal or airfoil rotor blades.

Classifications:
International (IPC 8-9): E21B17/01 F03D1/00 (Advanced/Invention)
International (IPC 1-7): F03D1/00
CPC: E02B2017/0091 E02D27/42 F03D1/001 F03D11/045 F05B2230/6102 F05B2240/916 F05B2240/95 Y02E10/726 Y02E10/727 Y02E10/728
European: E02D27/42 F03D1/00B F03D11/04B P02B17/00M R05B230/6102 R05B240/916 R05B240/95 Y02E10/72J Y02E10/72L Y02E10/72N
US: 405/195.1 405/195.100P



Family:

Publication number	Publication date	Application number	Application date
AT410593 E	20081015	AT20030732666T	20030527
AU2003240049 AA	20031212	AU20030240049	20030527
DE60323977 D1	20081120	DE20036023977	20030527
DK1518053 T3	20100125	DK20030732666T	20030527
EP1518053 A1	20050330	EP20030732666	20030527
EP1518053 B1	20081008	EP20030732666	20030527
ES2316768 T3	20090416	ES20030732666T	20030527
GB200212258 A0	20020710	GB20020012258	20020528
GB200219994 A0	20021009	GB20020019994	20020829
GB200227870 A0	20030108	GB20020027870	20021129
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US2006120809 AA	20060608	US20030516062	20030527
WO03100248 A1	20031204	WO2003GB02287	20030527

Priority:
GB20020012258 20020528 GB20020019994 20020829 GB20020027870 20021129
WO2003GB02287 20030527

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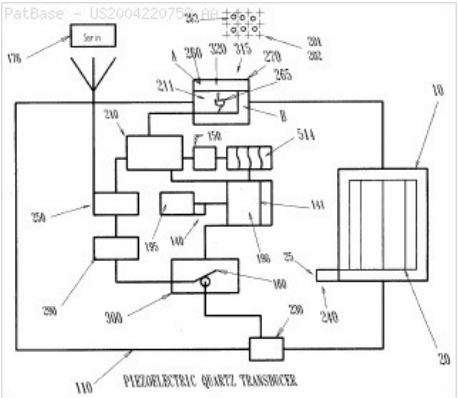
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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR 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

Title: Home-land intelligent system's technology "H-LIST"

Abstract: Source: US2004220753A A mobile home-land intelligent system's technology "H-LIST" for monitoring suspicious terrorist activities and for tracking biological and chemical gases, and explosives, including detection of stationary and portable weapons of mass destruction such that are likely carried on the body of a terrorist person or suicide bombers, or that are likely planted in a parked vehicle or carried inside a moving vehicle, wherein a sensory **platform** is made effective in a jacket worn by officers, security officers, bus drivers, hostesses and the like for sensing deadly gases and explosives while patrolling a defined and assigned vicinity. A receptor is attached on a waist belt worn by at least security personnel and connected to the sensory jacket output connection by at least a wireless means for empowering the sensory **platform** on the outfit and for receiving signal communication wirelessly indicative of detecting a sensed agent. Detected signals are transported wirelessly through radio frequency signals to a central security monitoring station to enable initiating for at least a backup security personnel or agents to the vicinity of the detection. The sensors are multifunctional and coded to recognize wavelike pattern of gases and explosives through generated radio wave frequencies from a transmitter and modulated by a frequency-modulating receiver.

Classifications:
International (IPC 8-9): G01N33/00 G08B21/00 (Advanced/Invention)
International (IPC 1-7): G01N31/00 G06F19/00
CPC: G01N33/0057 G01N33/0075
European: G01N33/00D2D4M G01N33/00D2G1
US: 340/506 340/539.12 340/540 340/541 340/573.1 340/632 702/32 702/32P



Family:

Publication number	Publication date	Application number	Application date
US2004220753 AA	20041104	US20030660473	20030912
US7271720 BB	20070918	US20030660473	20030912

Priority:
US20020426800P 20021118 US20030660473 20030912

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