

Search history

Search 1: STAC=(irrigation and control* and support and (post* or pole*)) (Results 270)
Search 2: STAC=(irrigation and control* and support and (post* or pole*)) and IC=(h02G) (Results 0)
Search 3: STAC=(support and (two or double) and (post* or pole*) and structure) and IC=(h02G) (Results 487)
Search 4: STAC=(irrigation and control* and mounting and (post* or pole) and support) (Results 46)
Search 5: STAC=(irrigation and control* and mounting and farm and support) (Results 5)
Search 6: STAC=(pole* and *mounted and electric* and box) (Results 2473)
Search 7: STAC=(pole* and *mounted and electric* and box and two) (Results 1531)
Search 8: TI=(two poles) and mount* (Results 37)
Search 9: AB=(two poles) and (support or structure*) (Results 2709)
Search 10: AB=(two poles) and (support or structure*) and transformer (Results 158)
Search 11: AB=(two posts) and (support or structure*) and transformer (Results 18)
Search 12: AB=(two posts) and (support or structure*) and box (Results 177)
Search 13: AB=(double pole or double post) and (support or structure*) and box (Results 158)
Search 14: AB=supporting structure and FT=(pole* or post*) and distribution (Results 761)
Search 15: TI=supporting structure and FT=(pole* or post*) and high tension distribution (Results 0)
Search 16: TI=supporting structure and FT=(pole* or post*) (Results 1333)
Search 17: TI=supporting structure and FT=(pole* or post*) and (bolt or screw) and parallel (Results 245)
Search 18: TI= two pole and (mount* or structure or support) and FT=(bolt* and screw) (Results 11)
Search 19: TI= two pole and (mount* or structure or support) and FT=(bolt* or screw) (Results 62)
Search 20: TI= two pole and (mount* or structure or support) not switch and FT=(bolt* or screw) (Results 45)
Search 21: TI=substation and (post* or pole) and (structure or support or mount*) (Results 574)
Search 22: TI=pole* and mounted (Results 11404)
Search 23: TI=pole* and mounted and transformer (Results 0)
Search 24: TI=two and pole* and mounted (Results 5480)
Search 25: TI=two and pole* and mounted and electric* (Results 3395)
Search 26: TI=(two and pole* and mounted) (Results 26)
Search 27: TI=(pole* and *mount*) and FT=(support and screw* or bolt*) (Results 363)
Search 28: TI= pole* and substation and structure (Results 57)

Title: Multi-**pole** interrupter switch for a high-voltage switching installation

Abstract: Provided for each **pole** is a moving contact set (26, 27, 28) which, on one hand, is always engaged with a fixed-position sliding contact (43, 44, 45) and, on the other hand, can be moved into and out of engagement with at least one fixed-position contact (14, 15, 16), by pivoting. The moving contact sets (26-28) are held by a common supporting body (18), which is supported such that it can rotate and consists of insulating material, and extend radially away from its rotation axis (19), parallel to one another. In order to simplify the construction and, particularly, to improve the operating reliability, the supporting body (18) has continuous recesses (20, 21, 22), which run transversely with respect to its rotation axis (19), for holding in each case one moving contact set (26-28) which, for its part, has contact fingers (29, 30) which are located opposite one another, in pairs, at a distance. Their inner ends extend into the relevant recess as far as the region of the rotation axis (19), while their outer ends extend beyond the one end of the relevant recess. Each of the sliding contacts (43, 44, 45), in contrast, extends from the other end into one of the recesses (20-22) and between the inner ends of the contact fingers (29,30). The interrupter switch is particularly suitable for metal-encapsulated high-voltage switching installations.

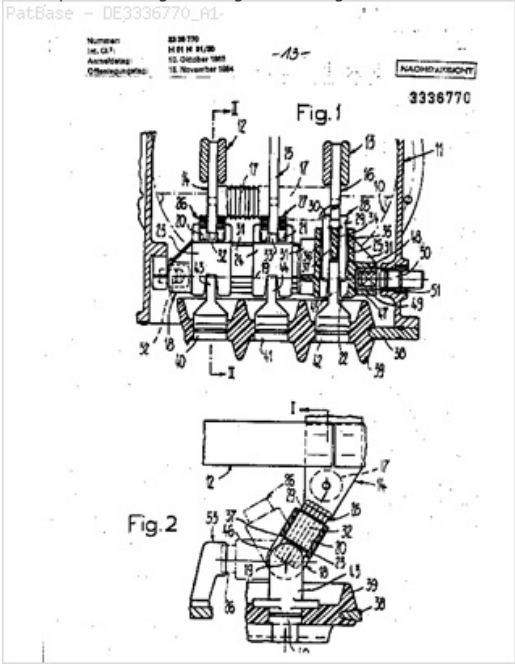
Classifications:

International (IPC 8-9): H01H31/28 H01H31/30 H02B1/16
H02B13/00 (Advanced/Invention);
H01H33/02 (Advanced/Non-invention);
H01H31/00 H02B1/00 H02B13/00 (Core/Invention);
H01H33/02 (Core/Non-invention)

International (IPC 1-7): H01H31/26 H01H31/28 H01H31/30
H02B1/16 H02B13/00

CPC: H01H31/28 H01H33/022

European: H01H31/28 T01H33/02C



Family:

Publication number	Publication date	Application number	Application date
AT389602 B	19900110	AT19840000066	19840112
AT6684 A	19890515	AT19840000066	19840112
CH659913 A	19870227	CH19830002618	19830513
DE3336770 A1	19841115	DE19833336770	19831010
DE3336770 C2	19920402	DE19833336770	19831010

Priority:

CH19830002618 19830513 AT19840000066 19840112

Probable Assignee: SPRECHER AND SCHUH AG

Assignee(s): (std): SPRECHER AND SCHUH AG ; SPRECHER ENERGIE OESTERREICH

Assignee(s): SPRECHER ENERGIE OESTERREICH GESELLSCHAFT M B H ; SPRECHER AND SCHUH AG AARAU AARGAU CH

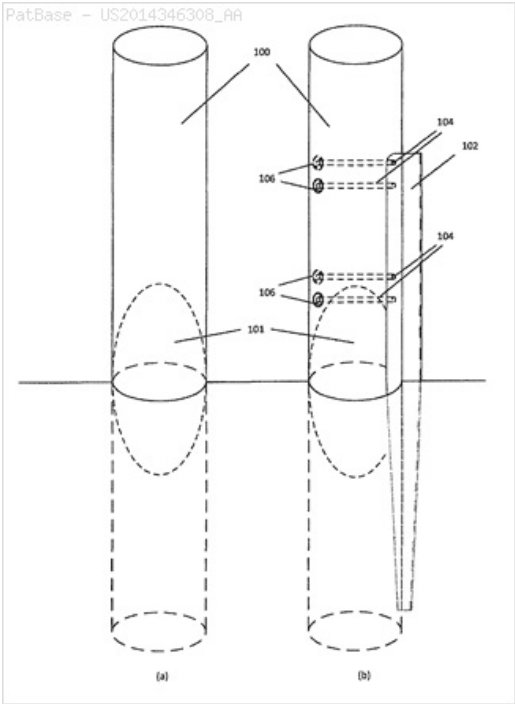
Inventor(s): (std): LEHNER HERMANN

Inventor(s): LEHNER HERMANN GRAENICHEN CH

Title: SYSTEM FOR STRENGTHENING **POLES**

Abstract: Disclosed is a system for strengthening a **pole** comprising a support element for supporting the **pole**; and fastening means for securing the support element to the **pole**; wherein the fastening means comprises a pair of mutually engaging fastening parts, including a bolt part and a corresponding nut part adapted to engage with the bolt part; and wherein the support element comprises an aperture adapted to receive a first one of the pair of fastening parts, and wherein at least one of the aperture and the first fastening part is shaped to prevent rotation of the first fastening part when located in the aperture.

Classifications:
International (IPC 8-9): E04H E04H12/22 F16B F16B23/00 (Advanced/Invention)
CPC: E04H12/2269 Y10T29/49948 E02D5/80 E04H12/2215 E04H12/2292 F16B7/182 F16B23/0069
US: 248/511 29/525.02



Family:

Publication number	Publication date	Application number	Application date
BR112014003439 A2	20170301	BR20141103439	20120815
CA28444591 AA	20140207	CA20122844591	20120815
EP2744956 A2	20140625	EP20120766123	20120815
GB201114097 A0	20110928	GB20110014097	20110816
GB201404473 A0	20140430	GB20140004473	20120815
GB2509846 A1	20140716	GB20140004473	20120815
GB2509846 B2	20160323	GB20140004473	20120815
US2014346308 AA	20141127	US20120238914	20120815
WO13024292 A2	20130221	WO2012GB51996	20120815
WO13024292 A3	20130510	WO2012GB51996	20120815
ZA201401111 A	20160127	ZA20140001111	20140213

Priority:

GB20110014097 20110816 WO2012GB51996 20120815

Probable Assignee: POLE STRENGTHENING SYSTEMS LTD

Assignee(s): (std): ALLSOP GLENN ; BABCOCK NETWORKS LTD ; POLE STRENGTHENING SYSTEMS LTD ; STANLEY MARTIN

Assignee(s): POLE STRENGTHENING SYSTEMS LIMITED

Inventor(s): (std): ALLSOP GLEN ; ALLSOP GLENN ; STANLEY MARTIN ; MARTIN STANLEY ; GLENN ALLSOP

Inventor(s): GLEN ALLSOP MARTIN STANLEY

Agent(s): GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; STAINTHORPE VANESSA JULIET; COZENS PAUL

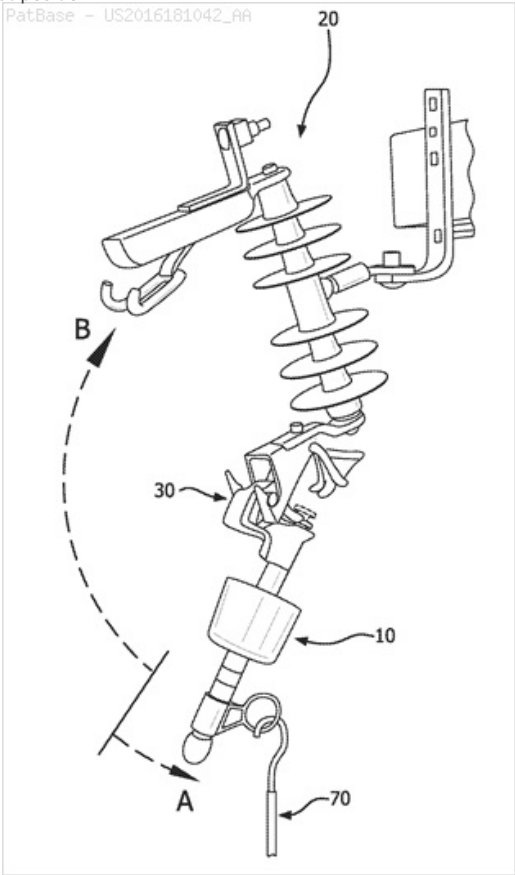
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Title: **POLE** RESET TRUNNION

Abstract: A resettable cutout sectionalizer uses a modified trunnion member including a bridge and a modified cutout hinge including at least one blocking flange. One actuated, the spring-loaded sectionalizer latching pin actuates to free the sectionalizer which is rotated open by the rotation of the trunnion. The trunnion rotates open and then is blocked from further rotation in a first direction by the bridge contacting the blocking flange(s) of the cutout hinge. To reset the device, the sectionalizer body is rotated against the blocking flange which causes the latching flange of the trunnion to cam against the latching pin to overcome the spring bias and push it back into the reset position.

Classifications:

International (IPC 8-9): F16C11/02 F16M13/02 H01H31/00
H01H31/12 H01H33/00 H01H33/04 H01H33/12 H01H71/02 H02G7/00
H02G7/18 (Advanced/Invention)
CPC: H01H71/0207 F16C11/02 F16C2380/00 H01H31/28 H02H3/06
US: 200/49 248/291.1



Family:

Publication number	Publication date	Application number	Application date
US2016181042 AA	20160623	US20150963964	20151209
US9997319 BB	20180612	US20150963964	20151209
WO16106081 A1	20160630	WO2015US66378	20151217

Priority:

US20140096094P 20141223 US20150963964 20151209

Probable Assignee: HUBBELL INC

Assignee(s): (std): HUBBELL INC

Inventor(s): (std): AGLIATA PETER M ; COCHRAN STERLIN O

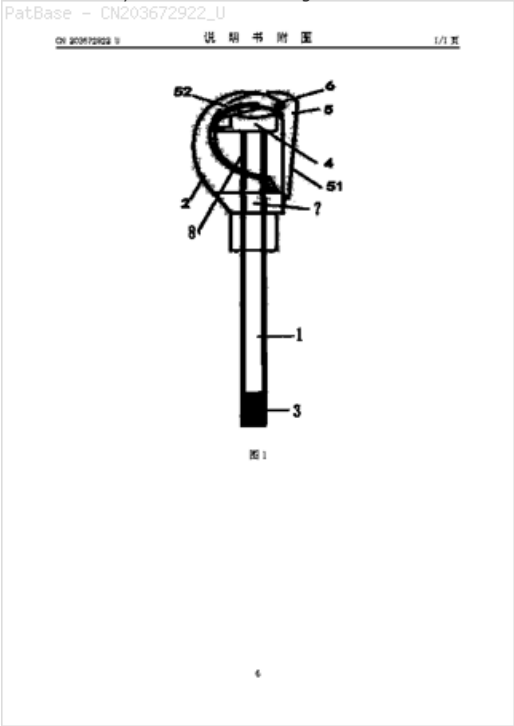
Agent(s): MICHAEL BEST AND FRIEDRICH LLP; BRADLEY WILLIAM E

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 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: ELECTRICAL TEST JUNCTION **POLE** FOR **SUBSTATION** EQUIPMENT

Abstract: The utility model discloses an electrical test junction **pole** for a **substation** equipment, including a long insulating rod, a insulation fixing body, a conductive and movable supporting body and a conductive V-shaped component. A containing part having an opening is arranged in the fixing body, one side of which is provided with a threaded hole passing through from inside to outside, and the long insulating rod is provided with threads spirally cooperating with the threaded hole of the fixing body, and one end of the long insulating rod is stretched into the fixing body and is fixedly connected with the movable supporting body; the V-shaped component includes an external body and an inner body, and a joint of which is rotationally connected with the fixing body, and the inner body is stretched into the containing part of the fixing body to correspond to the activity supporting body, thus forming a clamp mouth used for clamping or loosening a drainage wire of a high altitude **substation** equipment; the external body is cooperated at the opening of the containing part of the fixing body. The electrical test junction **pole** for the **substation** equipment with the above **structure** has the self-closed and anti-shedding functions, can improve the working safety factor, and guarantee the personal safety of electrical testing staff.

Classifications:
International (IPC 8-9): G01R1/04 G01R1/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN203672922 U	20140625	CN201420051192U	20140126

Priority:
CN201420051192U 20140126

Probable Assignee: STATE GRID FUJIAN ELECTRIC POWER CO LTD

Assignee(s): (std): PUTIAN POWER SUPPLY CO OF STATE GRID FUJIAN ELECTRIC POWER CO LTD ; STATE GRID CORP CHINA ; STATE GRID CORP OF CHINA ; STATE GRID FUJIAN ELECTRIC POWER CO LTD

Assignee(s): STATE GRID OF CHINA CORP ; PUTIAN POWER SUPPLY CO OF STATE GRID FUJIAN ELECTRIC POWER CO ; STATE GRID FUJIAN ELECTRIC POWER CO ; STATE GRID ELECTRIC POWER CO PUTIAN FUJIAN POWER CO

Inventor(s): (std): CHEN WENJING ; LI ZHENHUA ; LIN FUHONG ; LIN MINGXING ; XU ZHIYUAN

Title: METHOD FOR PROTECTING ELECTRICAL **POLES** AND GALVANIZED ANCHORS FROM GALVANIC CORROSION

Abstract: A method for protecting a plurality of metal electrical **poles** and copper grounding from galvanic corrosion in corrosive soils includes electrically interconnecting the **poles** to a grounding grid and providing an impressed current anode for the cathodic protection of the grounding grid.

Classifications:

International (IPC 8-9): C23F13/00 C23F13/04 C23F13/20 H01R4/66

H05B37/00 H5B37/00 (Advanced/Invention);

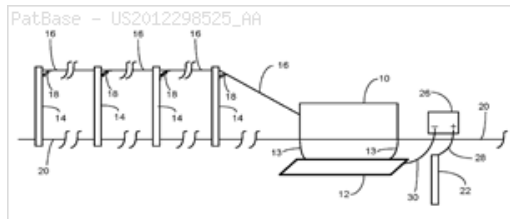
H05B (Subclass/Invention)

International (IPC 1-7): H05B37/00

CPC: C23F13/20 C23F2213/31 C23F13/04 H01R4/66

European: C23F13/04 H01R4/66

US: 1/1 205/724 205/734



Family:

Publication number	Publication date	Application number	Application date
AU2011329138 AA	20120524	AU20110329138	20111115
AU2011329138 BB	20150813	AU20110329138	20111115
BR112013011547 A2	20171024	BR20131111547	20111115
CA2817915 AA	20130514	CA20112817915	20111115
CN103210700 A	20130717	CN201180055136	20111115
CN103210700 B	20161130	CN201180055136	20111115
EP2641454 A1	20130925	EP20110841898	20111115
EP2641454 A4	20170628	EP20110841898	20111115
IN01857KN2013 A	20131018	IN2013KN01857	20130610
MA34716 B1	20131203	MA20130035969	20130605
MX2013005349 A1	20131017	MX20130005349	20111115
NZ609753 A	20150227	NZ20110609753	20111115
US2012298525 AA	20121129	US20110296357	20111115
US2013233725 AA	20130912	US20110885802	20111115
US9222175 BB	20151229	US20110296357	20111115
WO12068043 A1	20120524	WO2011US60690	20111115
ZA201303493 A	20140129	ZA20130003493	20130514

Priority:

US20100414144P 20101116 US20110537640P 20110922 US20110296357 20111115
WO2011US60690 20111115 US20110885802 20111115

Probable Assignee: MATCO SERVICES INC

Assignee(s): (std): MATCO SERVICES INC ; RHODES GEOFFREY O ; ZAMANZADEH MEHROOZ

Inventor(s): (std): GEOFFREY O RHODES ; MEHROOZ ZAMANZADEH ; ZAMANZADEH MEHROOZ ; RHODES GEOFFREY O

Inventor(s): RHODES GEOFFREY

Agent(s): FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; BLANEY MCMURTRY LLP; CARSON LAW OFFICE PROFESSIONAL CORP; HAMER CHRISTOPHER K; DAVID H; CAMORIANO THERESA FRITZ

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 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: Improvements in or relating to **pole** or open air electrical transformer sub-stations

Abstract: 30543. [Class 38 (ii)] A **pole**-type transformer in an overhead transmission system is mounted so that it can be readily raised or lowered to enable such things as inspection of fuse gear to be made at ground level. In addition, lowering of the transformer isolates it. The transformer is mounted on a carriage 5, Fig. 1 provided with rollers to slide on the channel section 1, forming the **pole**. The carriage is hauled into position by a wire rope passing over pulleys 14, 17, clips 18 retaining the carriage in the upper portion. The high tension leads are connected to contacts 34 mounted on insulators 30, the transformer being provided with coacting contacts mounted on insulators which house fuses. Similar connections 36 are arranged for the low tension leads. The carriage is disengaged for lowering by first raising slightly, this causes the clips 18 to be pressed in sufficiently for the latches 22 to engage them, the carriage can then be lowered. Lowering causes disconnection of the transformer. One of each pair of coacting contacts is made resilient to enable good contact to be obtained. An alternative form of contact is shown in Fig. 6. The lower contact comprises a pivoted link 41 carrying the contact 40, this link being urged upwardly by a spring 43 so that when the contacts 40, 44 come together or separate a certain amount of rubbing will take place to clean the contact surfaces. Arcing horns may be provided.

Classifications:

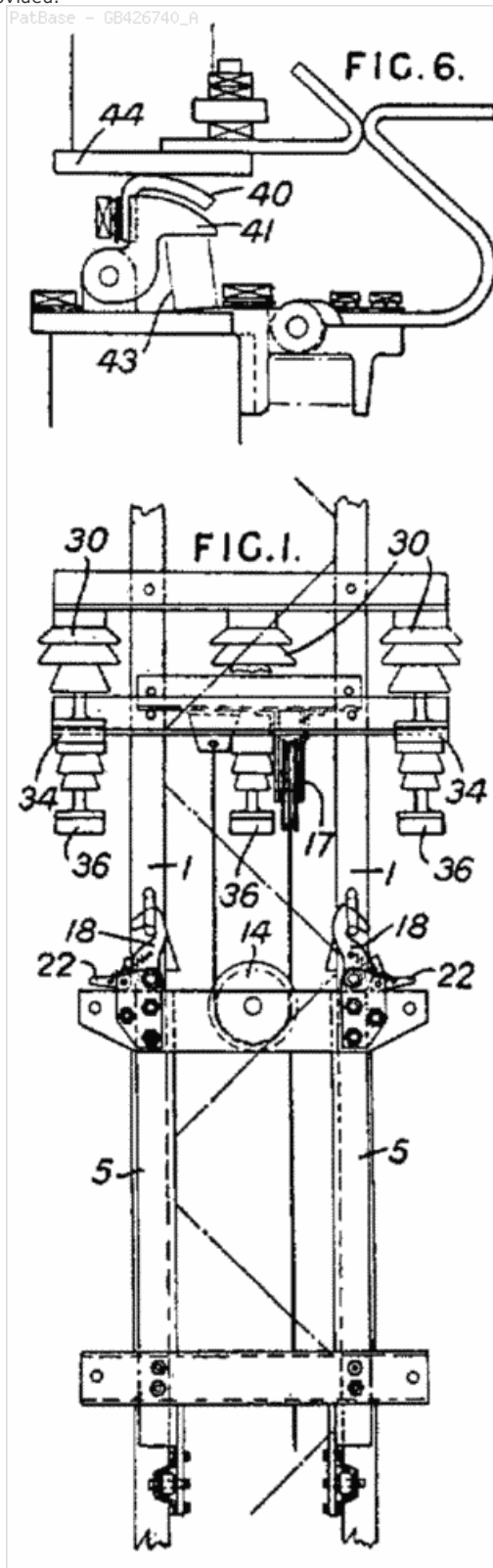
International (IPC 8-9): H01F27/06 (Advanced/Invention);

H01F27/06 (Core/Invention)

International (IPC 1-7): H02B1/00 H02B5/02

CPC: H01F27/06

European: H01F27/06



Family:

Publication number	Publication date	Application number	Application date
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Priority:

GB19330030543 19331103

Probable Assignee:

JOHN LESLIE GAVED

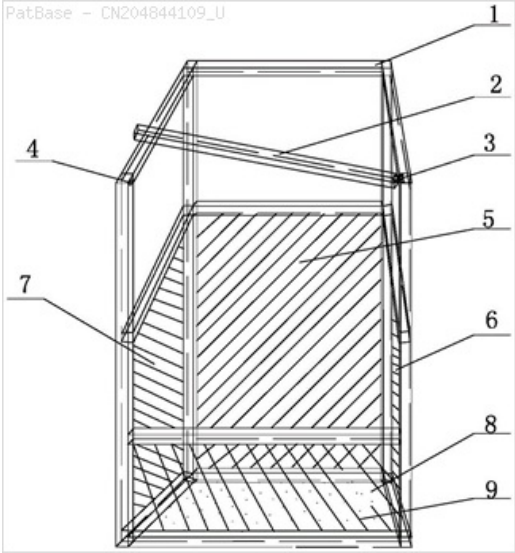
Assignee(s): (std):

JOHN LESLIE GAVED

Title: SPECIAL CASE OF POLE IS BLOCKED TO TRANSFORMER SUBSTATION'S LANDING LEG FORMULA

Abstract: The utility model belongs to the technical field of transformer fortune dimension, in particular to special case of pole is blocked to transformer substation's landing leg formula, including the structure frame, the structure frame is formed by the welding of square stainless steel hollow tube, and the structure is erect and is put to the cuboid structure, and structure frame top sets up to the dodge gate roof beam, and it is articulated with the structure frame that the loose - leaf is passed through to dodge gate roof beam one end, and the other end that corresponds the dodge gate roof beam sets up the locator card on the structure frame, and the structure frame all sets up the baffle all around. The utility model discloses simple structure, be convenient for remove, the practicality is pleasing to the eye again, puts the tool room in the transformer substation, can neatly deposit a large amount of landing leg formulas and block the pole, area is little, and is very pleasing to the eye again, makes things convenient for the landing leg formula to block depositing and managing of pole.

Classifications:
International (IPC 8-9): B25H3/02 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN204844109 U	20151209	CN201520453952U	20150629

Priority:
CN201520453952U 20150629

Probable Assignee: STATE GRID CORP CHINA

Assignee(s): (std): STATE GRID CORP CHINA ; STATE GRID CORP OF CHINA ; ZIBO POWER SUPPLY CO STATE GRID SHANDONG ELECTRIC ; ZIBO POWER SUPPLY CO STATE GRID SHANDONG ELECTRIC POWER CO

Assignee(s): STATE GRID OF CHINA CORP ; ZIBO POWER SUPPLY CO OF STATE GRID SHANDONG ELECTRIC POWER CO

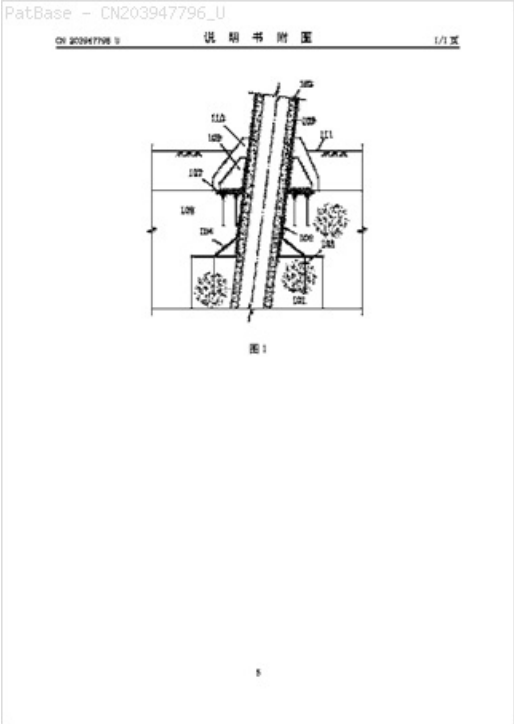
Inventor(s): (std): CAO YUANLIANG ; CUI XIANGRONG ; DOU WEILIANG ; GAO JIANXIANG ; GONG FANGWEI ; HAN AIHUA ; HOU YUEMIN ; HU XIN GANG ; LI HENG ; LI KAI ; LI QIANG ; LI YAO ; LI ZHONGJUN ; LIU HAIPING ; SHAN BAOLI ; SUN LEI ; WANG LEI ; WANG MINGBO ; WANG XIN ; WANG XUN ; WU XIAOMING ; XIE DEJIE ; XU GUANGHAI ; XU WANMI ; YAN XINJUN ; YANG QINGYONG ; YAO SHUFEN ; YU JUNHAI ; YU LEI ; ZHANG JING ; ZHANG YANG ; ZHANG YUANBIAO ; ZHENG CHUNYU

Title: REINFORCEMENT **STRUCTURE** FOR POWER TRANSFORMATION **STRUCTURE** BRACKET **POLE**

Abstract: The utility model discloses a reinforcement **structure** for a power transformation **structure** bracket **pole** and belongs to the technical field of **substation** transformation. The reinforcement **structure** comprises a cladding steel plate coating the conventional **structure** bracket **pole**, one or more than one connecting steel bar, a circular embedded part, foundation reinforcement concrete, and one or more than one steel stiffening plate, wherein one end of each connecting steel bar in the one or more than one connecting steel bar is implanted in a borehole of the conventional column foundation, and the other end of each connecting steel bar is welded with the cladding steel plate; the circular embedded part encircles the cladding steel plate, is positioned above the one or more than one connecting steel bar and is welded with the cladding steel plate together; the foundation reinforcement concrete wraps the conventional column foundation, the one or more than one connecting steel bar and other parts, except the upper surface, of the circular embedded part, and the upper surface of the circular embedded part exposed out of the foundation reinforcement concrete; one side of each steel stiffening plate in the one or more than one steel stiffening plate is welded to the upper surface of the circular embedded part, and the other side is welded to the cladding steel plate. The reinforcement **structure** solves the problem of connecting the cladding steel plate with the column foundation in wet steel reinforcement of the power transformation **structure** bracket **pole**, and the bearing capacity of the power transformation **structure** bracket **pole** is improved.

Classifications:

International (IPC 8-9): E04G23/02 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN203947796 U	20141119	CN201420335090U	20140620

Priority:

CN201420335090U 20140620

Probable Assignee: INNER MONGOLIA ELECTRIC POWER SURVEY AND DESIGN INST CO LTD

Assignee(s): (std): INNER MONGOLIA ELECTRIC POWER SURVEY AND DESIGN INST CO LTD

Assignee(s): INNER MONGOLIA ELECTRIC POWER SURVEY AND DESIGN INST CO

Inventor(s): (std): DI LEFU ; DING CONG ; LIU JIE ; LU MING ; ZHENG JUNPING

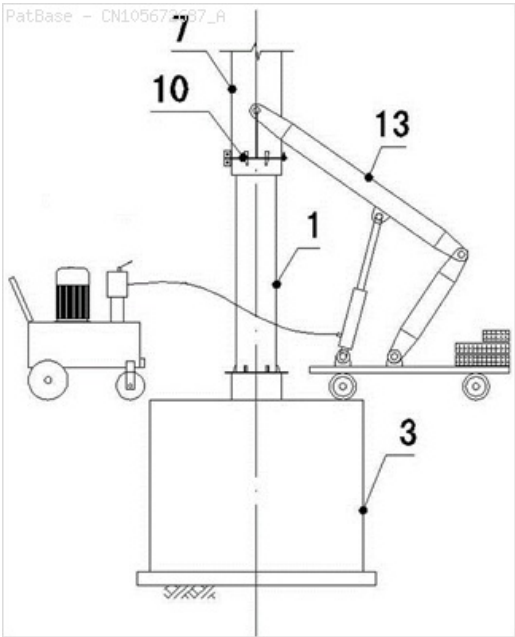
Title: REINFORCEMENT METHOD FOR CONCRETE **POLES** OF TRANSFORMER **SUBSTATION** STRUCTURAL SUPPORT

Abstract: The invention discloses a reinforcement method for concrete **poles** of a transformer **substation** structural support. The reinforcement method is characterized in that steel tubes are additionally arranged on the outer sides of concrete **poles** of the transformer **substation** structural support and poured with grout to form a steel tube reinforced concrete **structure**; the steel tubes, the grout and the concrete **poles** are jointly combined to form a new stress system, thereby achieving the purpose of reinforcing a transformer **substation structure** and an equipment support frame; besides, as the outer steel tubes are mounted by adopting a lifting method, aloft work is avoided, and a new reinforcement technology is provided for the concrete support of a transformer **substation**, the reinforcement method is suitable for reinforcement of concrete **poles** of n-shaped and T-shaped structural supports, the reinforced concrete **poles** of the structural supports can meet the requirements on bearing capacity and durability, the service life of the transformer **substation** is prolonged, large-scale reconstruction is not needed, the construction approval process is simple and time-saving, and the characteristics of reduced upgrading and reconstruction cost, shortened reconstruction period, high safety and reliability are achieved; meanwhile, the original concrete support does not need to be dismantled, emission of a great deal of construction waste is avoided, and resources are saved, so that the reinforcement method is an environment-friendly reinforcement and reconstruction technology.

Classifications:

International (IPC 8-9): E04G23/02 (Advanced/Invention)

CPC: E04G23/0218



Family:

Publication number	Publication date	Application number	Application date
■ CN105672687 A	20160615	CN201610073892	20160203
■ CN105672687 B	20170829	CN201610073892	20160203

Priority:

CN201610073892 20160203

Probable Assignee: HENAN WENBO REINFORCEMENT PROJECT CO LTD

Assignee(s): (std): HENAN WENBO REINFORCEMENT PROJECT CO LTD

Assignee(s): HENAN CULTURAL REINFORCEMENT ENGINEERING CO LTD ; HENAN WENBO REINFORCEMENT PROJECT CO

Inventor(s): (std): LI WENQIAN ; XIAO HAOTIAN