

Search history

Search INV=(David Karl WABNEGGER) (Results 7)

1:

Search fn=(28995012 or 18629102 or 43593175 or 42524850 or 50505115 or 58395729 or 1171156 or 7619967 or 4464582 or 8651582 or 42461248 or 52539313) (Results 12)

Search fn=(60748384:115 or 50505115:70 or 32433251:70 or 68008943:60 or 67882351:60 or 67729951:60 or 67709324:60 or 67382294:60 or 66748565:60 or 66524461:60 or 66333513:60 or 65813258:60 or 65809896:60 or 65425294:60 or 63895994:60 or 63871801:60 or 63813212:60 or 63812691:60 or 62805537:60 or 60604087:60 or 58742184:60 or 58741847:60 or 56424883:60 or 50753242:60 or 44069092:60 or 36062050:60 or 20797924:60 or 14063190:60 or 12085219:60 or 4660636:60 or 3783035:60 or 68728497:50 or 62617801:50 or 58294820:50 or 58288890:50 or 58073984:50 or 55129148:50 or 53671709:50 or 53202276:50 or 51956953:50 or 51788191:50 or 50752395:50 or 45949678:50 or 43551712:50 or 43380876:50 or 43353820:50 or 34955241:50 or 33730417:50 or 28438276:50 or 20703673:50 or 54906662:45 or 43593175:45 or 42524850:45 or 40924476:45 or 68722255:40 or 68527835:40 or 68374033:40 or 68028824:40 or 67755377:40 or 67669202:40 or 67496918:40 or 67408218:40 or 67227975:40 or 67170194:40 or 67074781:40 or 66978365:40 or 66773700:40 or 66753178:40 or 66696853:40 or 66256628:40 or 66116575:40 or 66104515:40 or 65908827:40 or 65900410:40 or 65729453:40 or 65552232:40 or 65438446:40 or 65332154:40 or 65293184:40 or 65023403:40 or 65011852:40 or 64948729:40 or 64757805:40 or 64594907:40 or 64499724:40 or 64297264:40 or 64156070:40 or 63478329:40 or 6333176:40 or 62769957:40 or 61181383:40 or 60173545:40 or 59991692:40 or 58395729:40 or 57979093:40 or 57268711:40 or 56886196:40 or 56778677:40 or 56776484:40 or 56399650:40) (Results 100)

Search SUPPORT AND CONDUCTOR AND WIRE AND ELECTIC (Results 104)

4:

Search ROTATING AND CONDUCTOR AND HOLDER AND WIRE AND ELECTIC (Results 19)

5:

Search ROTATING AND CONDUCTOR AND HOLDER (Results 18167)

6:

Search IPC=(B66C13/08 OR H02G1/04) (Results 7761)

7:

Search 6 AND 7 (Results 13)

8:

Search [SP]: field of invention [0001] this invention relates to the field of reconductoring or restringing of energized, high voltage power lines without interrupting the service provided by the existing lines. background of the invention [0002] applicant engages, amongst other activities, in the reconductoring or restringing of energized, high voltage power lines without interrupting the service provided by the existing lines. during the execution of the restringing process, a new conductor is often pulled into an occupied position on support structures such as towers or poles supporting the existing conductors.[0003] in some circumstances, two, three or more sub-conductors may need to be replaced during the same reconductoring project. in a high voltage (for example, greater than or equal to 69 kv) alternating current transmission system, multiple sub-conductors may be utilized to carry each phase of the alternating current system. typically, alternating current is generated in a three-phase configuration, where, respectively, phases a, b and c are each transported on a separate conductor, where, commonly, each separate single phase conductor is referred to as a "phase". since all three phase conductors are strung on and occupy the same support structures, it is necessary to configure the phases so that they do not touch each other. the three phases may be arranged in a vertical configuration along a pole or tower, with a pre-determined separation distance between each of the phases. the greater the voltage, the greater the phase separation distance. another configuration is to arrange the three phase conductors in a horizontal configuration, typically spaced apart by the pre-determined separation distance along a cross arm.[0004] often, more than one electrical conductor (referred to herein as sub-conductors) carries the power load for a particular phase. this may be done in circumstances where the load is greater than what a single conductor can accommodate. where more than one sub-conductor is used, it is referred to as bundle conductor i.e.: two bundle or three bundle. in such cases, sub-conductors may be positioned next to each other in what is referred to as horizontal configuration or may hang in a vertical orientation from the same insulator, separated from each other by electrically conductive spacers.[0005] during a reconductoring or restringing procedure involving more than one sub-conductor, in order to remove the existing sub-conductors, each of the sub-conductors are positioned in dollies, otherwise known as travelers, and each sub-conductor may also be secured end-to-end to the replacement sub-conductor and the existing sub-conductor pulled out, using a v-groove puller or similar machine, so as to pull the replacement sub-conductor into position. to avoid the entanglement of the sub-conductors as they are being removed or restrung into place, the sub-conductors being removed from the system must be placed in travelers, spaced apart and in for example a substantially horizontal relationship relative to one another. however, this process of moving the sub-conductors into the travelers is cumbersome and time-consuming when the sub-conductors being worked on are secured on the support structure in a vertical relationship with respect to each other, as the sub-conductors must each be rotated and placed in the travelers in a horizontal position. in addition, each of the sub-conductors are typically large and heavy. each phase conductor, may for example, weigh 1000 lbs. or more, which further adds to the burden of lifting and positioning each of the sub-conductors in the travelers. because the sub-conductors are heavy, linemen cannot simply move them into position in the travelers using hot sticks. typically, a heavy mechanical lifting device must be used to move each of the sub-conductors, for example using a boom mountable robotic arm or single point lifter.[0006] after the old sub-conductors have been removed and the new sub-conductors have been strung through the travelers, each new sub-conductor must be carefully moved from the traveler and secured to the support structure, which process must again rotate the sub-conductors from a horizontal position to a vertical position. summary of the invention [0007] the present invention is a rotating conductor holder which holds two or more live sub-conductors for rotation of the sub-conductors through an approximately 90 degree rotational arc, for example such that the sub-conductors are rotated relative to one another in the conductor holder between a vertical and a horizontal orientation. the present invention also includes a method for employing the rotating conductor holder to reposition two or more sub-conductors, for example during a restringing procedure.[0008] the rotating conductor holder includes at least a first and second conductor retainer, which are mounted to and spaced apart along a rotating base member at a distance substantially corresponding to the separation distance between the two or more existing sub-conductors that are to be replaced during, for example, a restringing procedure. the separation distance may be for example 18 inches. the base member is rotatably attached to a support, which may be for example a vertical support member such as a pylon. in one embodiment not intended to be limiting, the vertical support member may be reinforced by a side gusset.[0009] the rotating conductor holder may also include vertical and horizontal stops, so as to limit the angular or rotational displacement of the base member to the desired angular or rotational displacement. the angular displacement of the rotational arc may advantageously be approximately 90 degrees for the purpose of changing the relative positioning of multiple sub-conductors from a vertical position to a horizontal position or vice versa. however, it will be understood by a person skilled in the art that other angular displacements may work and be useful, and that the invention described herein is not limited to the aforesaid 90 degrees for the rotation of the base member relative to its vertical support member. the support member may be mounted on a support plate, or may be otherwise adapted for mounting to for example a single point lifting apparatus or other robotic arm or mechanical device on the end of a boom arm that provides for positioning and manipulation of the rotating conductor holder. typically, insulators are provided between the support plate and the boom.[0010] thus, in summary, the rotating conductor holder described herein may be characterized in one aspect as including at least a first and second conductor retainer mounted to and spaced apart along a base member at substantially a pre-determined spacing therebetween corresponding to the spacing between the sub-conductors, a support adapted to be mountable atop at least one insulator, wherein the base member is rotatably mounted on the support. a remotely actuated actuator, for example manually actuated, hydraulically actuated, electrically actuated, pneumatically actuated, etc., as would be known to one skilled in the art, may be provided cooperating with the base member whereby, upon actuation of the actuator, the base member is selectively rotatable through an arc of rotation relative to the support. in a preferred embodiment the actuator or its actuating linkage includes an insulator electrically insulating opposite ends of the actuator or opposite ends of the linkage from each other. in that embodiment the angular displacement or range of motion of the arc of rotation is governed by a corresponding range of actuation of the actuator or by the range of motion of the mechanical linkage.[0011] in a preferred embodiment, not intended to be limiting, the base member is a cross-arm, and the support includes a pylon, wherein the cross-arm has at least one of the conductor retainers mounted on each of opposite ends of the cross-arm, and wherein the cross-arm is pivotally mounted on one end of the pylon, preferably the upper end, and an opposite end of the pylon is adapted for mounting on the at least one insulator. advantageously, the cross-arm is pivotally mounted on the pylon at substantially a mid-way along the cross-arm.[0012] in one embodiment, the conductor retainers each include u-shaped conductor retainers or wire cages having openings into the conductor retainers or wire cages. the range of motion of the cross-arm may be substantially 90 degrees between a vertical position wherein the cross-arm is

substantially vertical and a horizontal position wherein the cross arm is substantially horizontal. the conductor retainers or wire cages are oriented on the cross-arm at 45 degrees, relative to the cross-arm so that the openings are open upwardly when the cross-arm is in both the vertical and horizontal positions and across the entire range of motion of the cross-arm.[0013] in embodiments employing an actuator, the actuator and its actuating linkage may include an elongate electrically insulated rod between upper and lower driven linkages. the upper and lower driven linkages may be for example upper and/or lower linkages driven by a linear actuator such as for example a hydraulic cylinder or other type of actuator such as for example a screw drive driven by an electric motor. advantageously the insulated rod may be substantially parallel to the at least one insulator, and the pylon is mounted at an upper end thereof. a lower end of the at least one insulator may be mounted on a levelable lifter base adapted to be mounted onto an end of a boom.[0014] the conductor retainers or wire cages may have conductor retention covers or other forms of closures over the openings.[0015] the rotating conductor holder according to the present invention may also be used in a method which (Results 13)

Search 5 AND 6 (Results 19)
10:

Search SUPPORT AND ELECTRIC AND WIRES (Results 162395)
11:

Search 7 AND 11 (Results 124)
12:

Search SUPPORT AND ROTATIONAL AND WIRE AND ELECTRIC (Results 42106)
13:

Search 7 AND 13 (Results 38)
14:

Search SUPPORT AND ROTATIONAL AND CABLE AND ELECTRIC (Results 37691)
15:

Search 7 AND 15 (Results 63)
16:

Search SUPPORT AND ROTATIONAL AND high AND tension AND electric AND line (Results 27175)
17:

Search 7 AND 17 (Results 31)
18:

Search IPC=(B66C13/08) (Results 4918)
19:

Search 19 AND 17 (Results 15)
20:

Search .ROTATING AND CONDUCTOR AND HOLDER (Results 0)
21:

Search SUPPORT AND ROTATING AND CONDUCTOR AND HOLDER (Results 12692)
22:

Search 19 AND 22 (Results 1)
23:

Search IPC=(H02G1/04) (Results 2844)
24:

Search 22 AND 24 (Results 10)
25:

Search fn=(60076254 or 42269983 or 42524850 or 60267760 or 50505115 or 42524850 or 42269983 or 42524850 or 42524850 or 49578589 or
26: 28995012 or 28137504 or 5923970 or 26680237 or 18629102 or 19918521 or 22342531 or 31729407 or 42269983 or 43143880 or
42524850 or 21864641 or 885046 or 1147405 or 4464582 or 4354940 or 4999495 or 9422886 or 8651582 or 28137504 or 28321417 or
28995012 or 31426471 or 31729407 or 34853270 or 34331355 or 42524850 or 33189670 or 42524850 or 49769144 or 42524850) (Results
29)

Search PN=(DE7301906 OR US2009206305 OR US2010133490 OR US2013134369) (Results 4)
27:

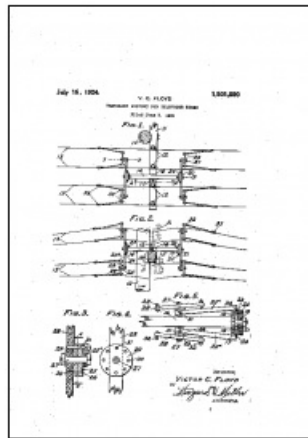
Search PN=(FR260375 OR US2001055525 OR US2003156936 OR US2005133244) (Results 3)
28:

Search 28 OR 27 OR 2 (Results 16)
29:

Title:
TEMPORARY SUPPORT FOR
TELEPHONE WIRES

Probable Assignee:
GUY COCHRAN

Assignee(s):(std):
GUY COCHRAN ; WILLIAM
GINDORFF



Abstract:

Source: DE7301906U (Claim 1)
 1. Freileitungs-Fahrwagen fuer elektrische Buendelleitungen, der sich mit mindestens zwei Rollen auf jedem Buendelleiter ab- suetzt, wobei der Radstand der Rollen fuer die oberen Buendelleiter groesser ist als der Radstand fuer die Rollen der unteren Buendelleiter und die Rollen jeweils fuer sich nach aussen um Achsen schwenkbar sind, die parallel zur Laengsachse des Lei- tungsbuendels bzw. des Fahrwagens liegen, gekennzeichnet durch ein aus Vierkantrohren zusammengescheisstes Fahrgestell, das die Rollen (15) der oberen Buendelleiterebene (11'12) ent- haelt ...

Probable Assignee:

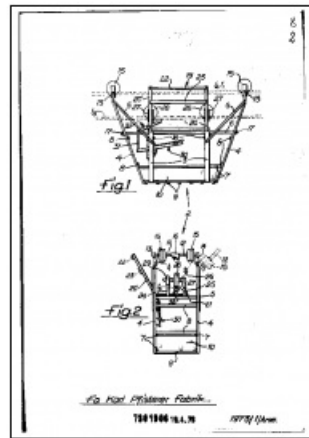
PFISTERER ELEKTROTECHN
 KARL

Assignee(s):(std):

PFISTERER ELEKTROTECHN
 KARL

Assignee(s):

PFISTERER K FABRIK
 ELEKTROTECHNISCHER
 SPEZIALARTIK ; PFISTERER K
 FABRIK ELEKTROTECHNISCHER
 SPEZIALARTIKEL



Title:

Public works machine having a safety device for the manoeuvre of its working equipment

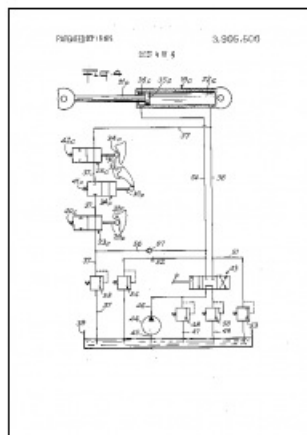
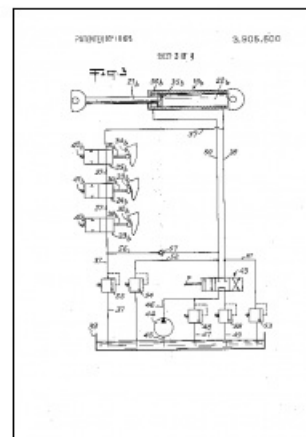
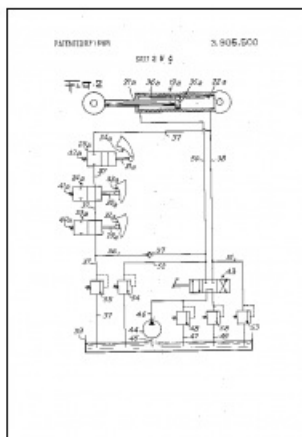
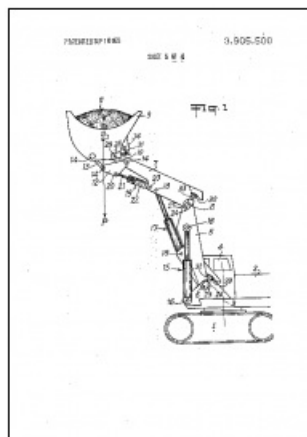
Abstract:

Source: US3905500A A loader having a body on which is pivotally mounted a jib system and a bucket and which is operated by fluid motor means is provided with a discharge conduit extending from the bucket raising side of one of the fluid motor means and control valve means to open the conduit to fluid flow whereby movement of the bucket over the loader cab is prevented.

Probable Assignee:
POCLAIN SA

Assignee(s):(std):
POCLAIN SA ; DOCLAIN

Assignee(s):
POCLAIN ; POCLAIN FR ;
ANONYME POCLAIN SOC ;
SOCIETE ANONYME POCLAIN ;
POCLAIN S A LE PLESSIS
BELLEVILLE OISE FRANKREICH
; POCLAIN S A 60330 LE
PLESSIS BELLEVILLE OISE FR



Title:

Work holder for adjustably supporting a workpiece

Abstract:

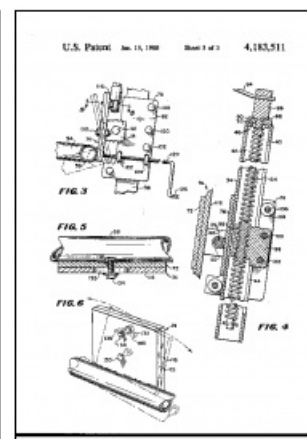
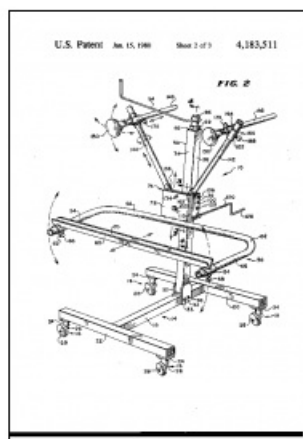
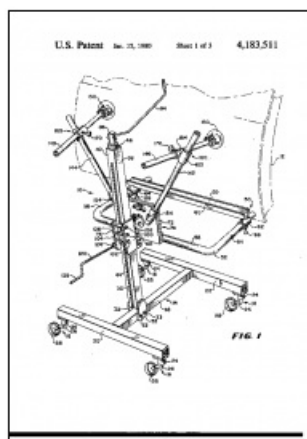
Source: US4183511A Disclosed herein is a work holder for supporting a workpiece, the work holder including a frame and an upright member supported by the frame and having a longitudinal axis. The work holder also includes a support member for supporting the workpiece, and a bracket member supporting the support member and supported by the upright member for movement longitudinally on the upright member. The support member is also supported for pivotal movement about a generally horizontal axis and about an axis transverse to both the generally horizontal axis and the upright ...

Probable Assignee:

MAREK RICHARD G

Assignee(s):(std):

MAREK RICHARD G



Title:

Wire lift device for high tension electric line

Abstract:

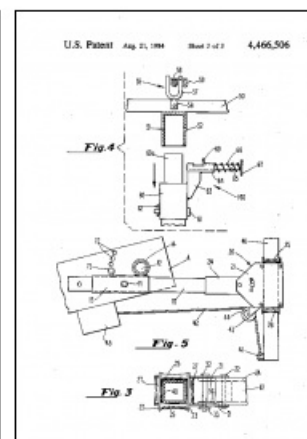
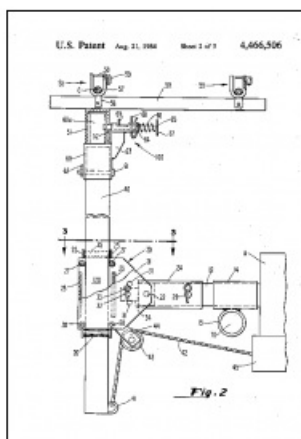
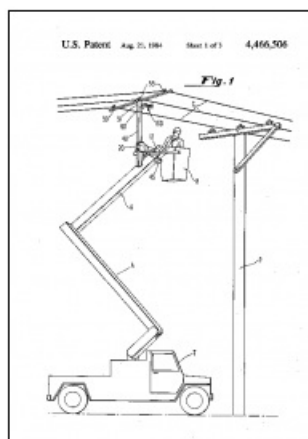
Source: US4466506A For use in energized high voltage pole line maintenance work, a vertical mast carrying a temporary crossarm is adjustably attached to an adapter sleeve mounted in lieu of one of the buckets of a dual-bucket truck on the self-leveling cross shaft, so that the axis of the sleeve is always vertically disposed. The mast is slidably received and movable lengthwise within the adapter sleeve. The lineman in the bucket first maneuvers the boom carrying the bucket and the temporary crossarm to a desired position usually adjacent to the pole, under the high voltage line ...

Probable Assignee:

DOLENTI ALFRED N

Assignee(s):(std):

DOLENTI ALFRED N



Title:

Boom-mountable robotic arm

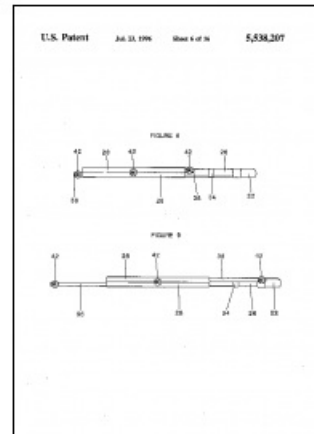
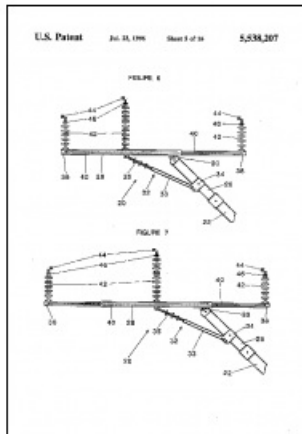
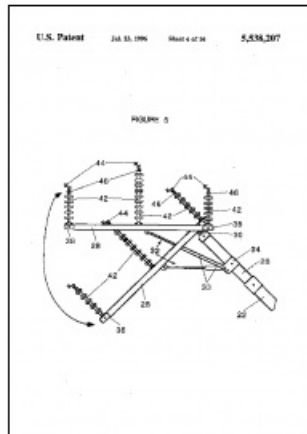
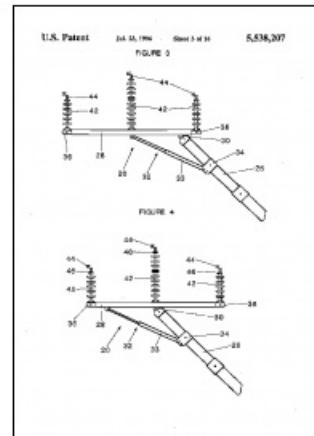
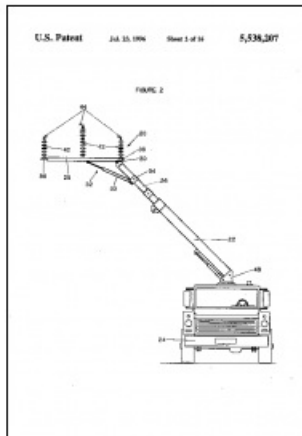
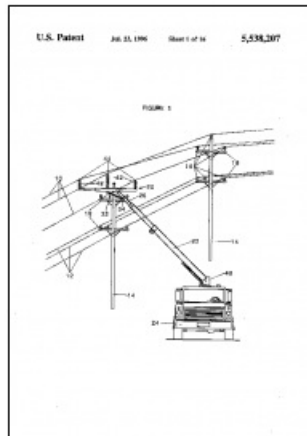
Abstract:

Source: US5538207A A telescoping robotic arm for temporarily supporting energized power lines to enable repair or replacement of transmission poles, crossarms, insulators and the like. The robotic arm is connectible to the boom of a service vehicle and is operable by remote control. The arm includes a boom adaptor sleeve for receiving the upper end of the boom, a frame pivotably coupled to the boom adaptor, and at least one telescoping arm coupled to the frame and adjustable between a retracted position and an extended position coaxial with the frame. An insulator stack and conductor ...

Probable Assignee:
QUANTA SERVICES OF
CANADA INC

Assignee(s):(std):
CONNELL DANIEL N O ;
DANFORD TECH INC ; DANIEL
NEIL O CONNELL ; DEVINE
CLIFFORD W

Assignee(s):
NATIONSBANK NA D B A BANK
OF AMERICA NA AGENT AS ;
DANFORD TECHNOLOGIES INC
OLIVER BRITISH COLUMBIA CA
; DEVINE CLIFFORD WILLIAM ;
O CONNELL DANIEL NEIL ;
QUANTA SERVICES OF
CANADA INC ; NATIONSBANK
NA D B A BANK OF AMERICA
NA ; DANFORD TECHNOLOGIES
INC OLIVER BRITISH
COLUMBIA C ; O CONNELL
DANIEL N ; DANFORD
TECHNOLOGIES INC ; BANK OF
AMERICA NA ; BANK OF
AMERICA NA ATTN CRAIG S
WALL



10 more images available

Title:
ROBOT VEHICLE FOR
WORKING ON HOT LINE

Abstract:

Source: US2001055525A A robot vehicle for hot-line job for transmission and distribution lines which comprises an insulating boom formed of an insulating material at a tip end stage of multiple stage booms, a base end of which is supported on an elevated work vehicle to be capable of swinging, pivoting up and down, and extending and contracting, and a frame provided on the tip end of the insulating boom, the frame mounting thereon double arm manipulators of multishaft construction for performing a distribution work, a slide device for sliding independently these right and left double arm ...

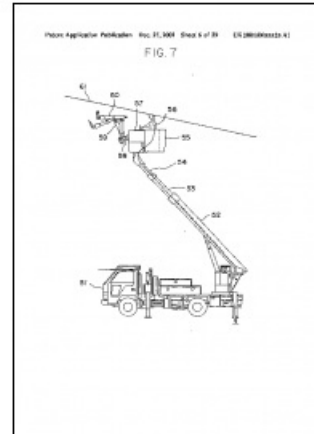
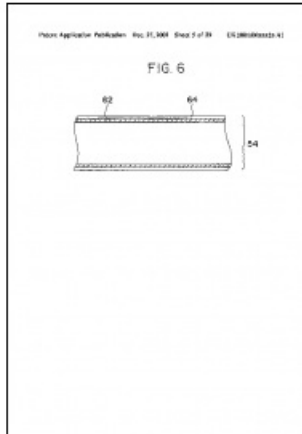
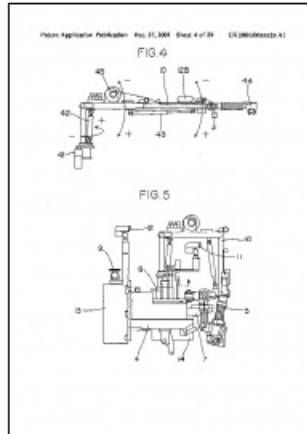
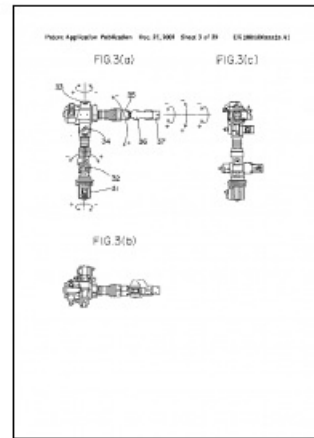
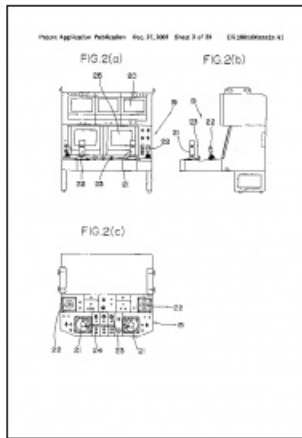
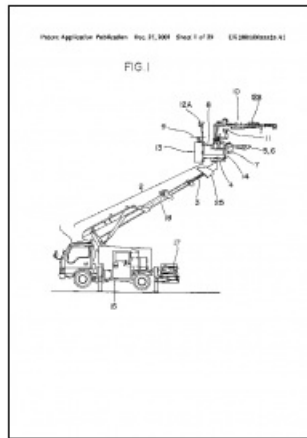
Probable Assignee:
KYUSHU ELECTRIC POWER CO INC

Assignee(s):(std):

TOMIYAMA TOSHIHIDE ;
YURITA YOSIHIRO ; MURAI SHINJI ; TSURUTA KENGO ;
MOTOMURAY YOUICHI ;
NAKAMURA YOSHIKATSU ;
MATSUZAKI MITSUHIRO ;
YAMADA HIROMICHI ;
MISHIMA AKIHIKO ;
MARUYAMA YOSHINAGA ;
YANO KYOJI ; NAKASHIMA MORIYUKI ; YAMASHITA OSAMU ; YASKAWA DENKI SEISAKUSHO KK ; HAGA YOSHIKI ; HARADA SHINJI ; HASHIGUCHI YUKIO ; HIRANO YUSUKE ; IMAI KAZUTOSHI ; INOKUCHI HIROFUMI ; KYUSHU ELECTRIC POWER ; YASKAWA ELECTRIC CORP

Assignee(s):

KYUSHU ELECTRIC POWER CO ; KYUSHU ELECTRIC POWER CO INC ; K K YASKAWA DENKI ; KABUSHIKI KAISHA YASKAWA DENKI ; YASKAWA DENKI KK ; YASKAWA DENKI 2 1 KUROSAKI SHIROISHI YAHATANISHI K ; KYUSHU ELECTRIC POWER CO LTD ; MURUYAMA YOSHINAGA ; MOTOMURA YOUICHI ; YURITA YOSHIHIRO



23 more images available

Title:

APPARATUS FOR PRECISELY
MANIPULATING ELONGATE
OBJECTS ADJACENT TO AND
SUCH AS ENERGIZED
OVERHEAD HIGH VOLTAGE
TRANSMISSION LINES

Abstract:

Source: US2003156936A A
remotely-controlled
manipulator for mounting to the
end of a telescopic boom,
includes at least one releasable
support mounted to a cross
member for releasably holding
or clamping an elongate object.

Probable Assignee:

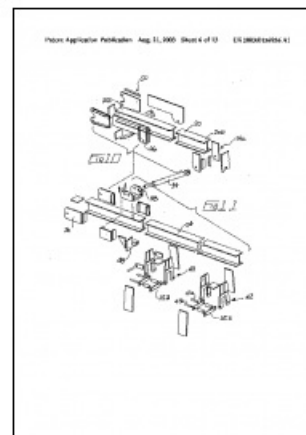
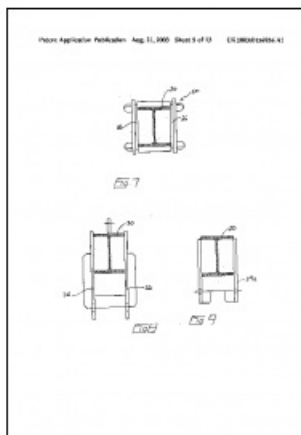
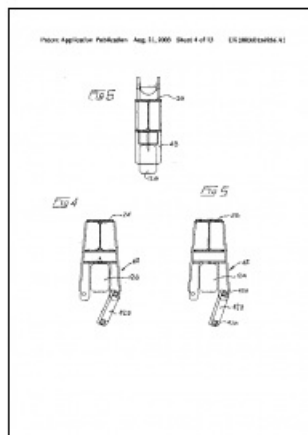
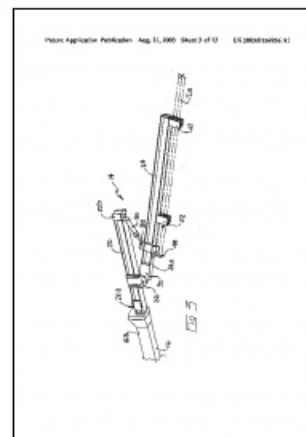
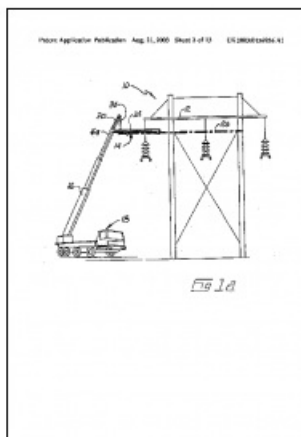
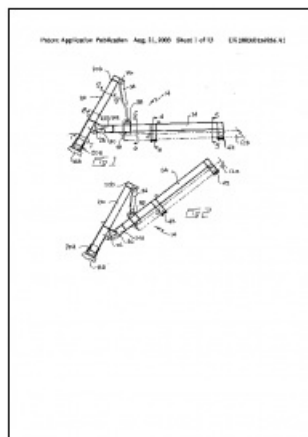
QSI INC

Assignee(s):(std):

CONNELL DANIEL NEIL O ;
DEVINE CLIFFORD W ; DEVINE
CLIFFORD WILLIAM ; O
CONNELL DANIEL NEIL

Assignee(s):

QSI INC ; QUANTA ASSET
MANAGEMENT LLC ; QUANTA
ASSOCIATES LP ; QUANTA
SERVICES INC ; QUANTA
SERVICES OF CANADA LTD ; O
CONNELL DANIEL N ; BANK OF
AMERICA NA ADMINISTRATIVE
AGENT AS



7 more images available

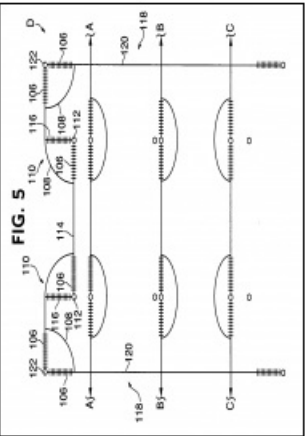
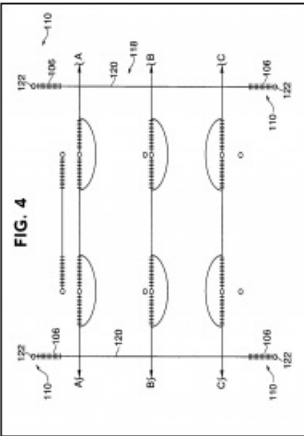
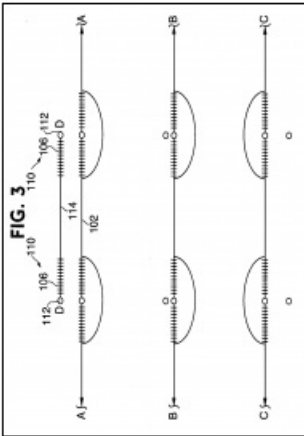
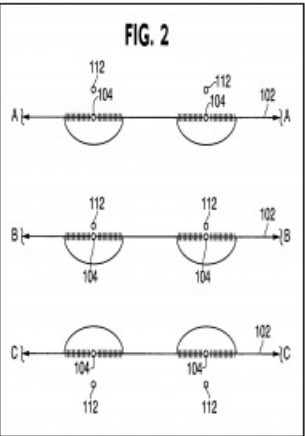
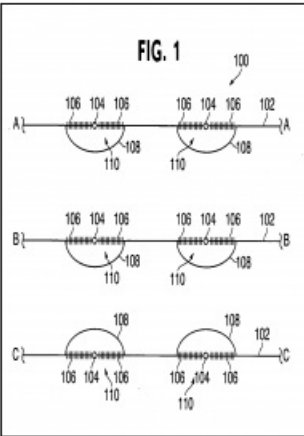
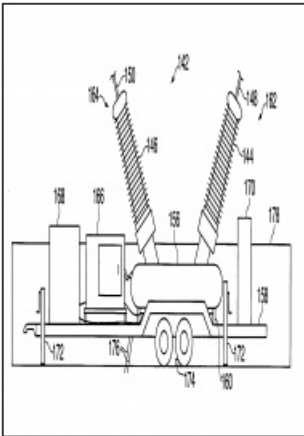
Title:
LIVE CONDUCTOR STRINGING
AND SPlicing METHOD AND
APPARATUS

Abstract:
Source: US2005133244A A
method and apparatus for
handling and/or stringing
energized conductor for a high
voltage power line conductor
for a high voltage power line is
provided. The method includes
bringing components and
workers to the same electrical
potential and transferring
power from one contractor to
another. Associated apparatus
is also described.

Probable Assignee:
QUANTA ASSOCIATES LP

Assignee(s):(std):
DEVINE CLIFFORD W ; DEVINE
CLIFFORD WILLIAM ; O
CONNELL DANIEL N ; O
CONNELL DANIEL NEIL ;
QUANTA ASSOCIATES L P ;
QUANTA SERVICES ; QUANTA
ASSOCIATES LP ; QUANTA
SERVICES HOUSTON

Assignee(s):
QUANTA SERVICES OF
CANADA LTD ; BANK OF
AMERICA NA ADMINISTRATIVE
AGENT AS



Title:

REMOTE MANIPULATOR FOR
MANIPULATING LIVE MULTIPLE
SUB-CONDUCTORS IN A SINGLE
PHASE BUNDLE

Abstract:

Source: US2009206305A A manipulator for separating sub-conductors in an energized single phase bundle includes a rigid support member and first and second actuators mounted on the support member, wherein each actuator is independently actuatable of the other. Insulators are mounted on each actuator. A selectively releasable coupler is mounted on each insulator for selectively releasable coupling of each insulator to a corresponding sub-conductor. The actuators extend corresponding insulators independently of one another from the support member to thereby separate from each other by an ...

Probable Assignee:

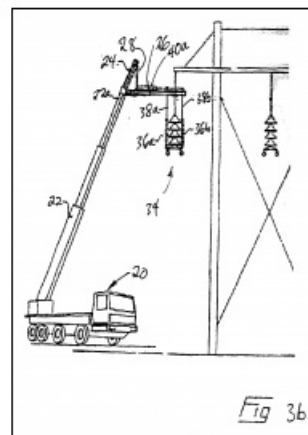
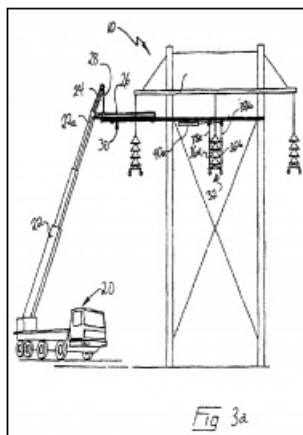
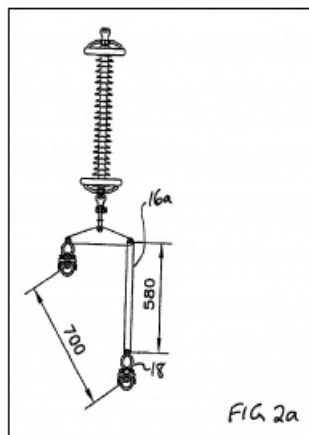
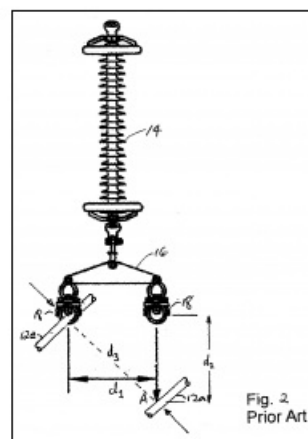
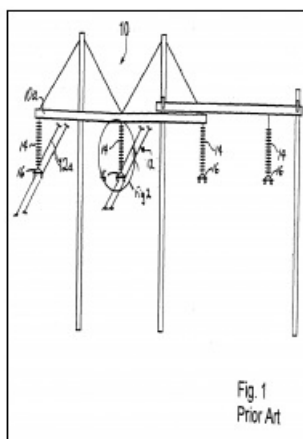
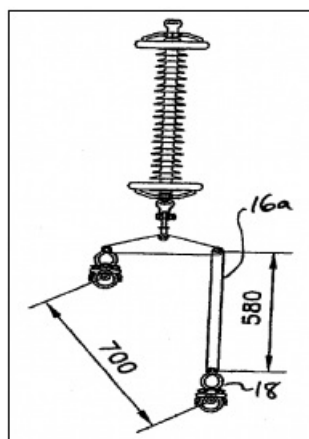
QSI INC

Assignee(s):(std):

DEVINE CLIFFORD ; DEVINE CLIFFORD WILLIAM ; O CONNELL DANIEL NEIL ; O CONNELL DANIEL ; O CONNELL DANIEL N ; QUANTA ASS L P ; QUANTA ASSOCIATES L P ; QUANTA ASSOCIATES LP

Assignee(s):

QUANTA SERVICES INC ; QUANTA SERVICES OF CANADA LTD ; QUANTA SERVICE OF CANADA LTD ; QUANTA SERVICES OF CANADA LTD2100 - 1360 POST OAK BOULEVARDHOUSTONTX77056US ; QUANTA SERVICES INC2100 - 1360 POST OAK BLVD.HOUSTONTX77056US ; QUANTA ASSOCIATES LP2100 - 1360 POST OAK BOULEVARDHOUSTONTX77056US ; QSI INC2100-1360 POST OAK BLVDHOUSTONTX77056US ; DEVINE CLIFFORD WILLIAMCOMPARTMENT 6, SITE 77AR.R. 1OLIVERB1V0H 1T0CA ; QUANTA ASSET MANAGEMENT LLC2100-1360 POST OAK BLVDHOUSTONTX77056US ; O CONNELL DANIEL NCOMPARTMENT 7, SITE 4R.R.#2OLIVERB1V0H 1T0CA ; QSI INC ; QUANTA ASSET MANAGEMENT LLC ; BANK OF AMERICA NA ADMINISTRATIVE AGENT AS ; CLIFFORD DEVINE ; DANIEL O CONNELL



13 more images available

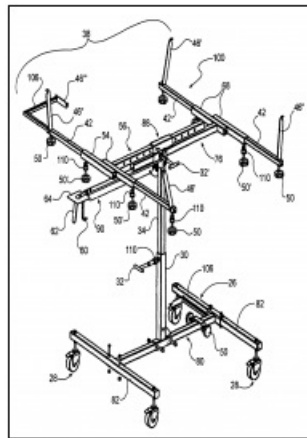
Title:
LARGE AUTOMOTIVE PANEL
PAINT RACK

Abstract:
Source: US7448606B A large automotive panel paint rack has a wheel-mounted base with an adjustable upright post and at least one platform having adjustable support members and hook members. It also has heat and paint-resistant protective rubber sleeves to keep critical adjustment threads free from over-spray. The large panel paint rack permits stationary support of a large part, especially a large automotive panel part for preparation work, repair and painting.

Probable Assignee:
INNOVATIVE TOOLS AND
TECHNOLOGIES INC

Assignee(s):(std):
INNOVATIVE TOOLS AND
TECHNOLOGIE

Assignee(s):
INNOVATIVE TOOLS AND
TECHNOLOGIES INC



Title:
BOOM MOUNTABLE ROBOTIC
ARM

Abstract:

Source: US2010133490A A boom mountable robotic arm for temporarily supporting an elongate conductor includes a rigid member such as a beam or beam assembly adapted for mounting onto the upper end of a boom for example using a boom adaptor, at least one electrically insulated support post mounted to the rigid member, where each post temporarily supports an elongate electrical conductor, and at least two rotation devices for selectively controllable rotation of the rigid member and the electrically insulated support posts about at least two corresponding axes of rotation.

Probable Assignee:

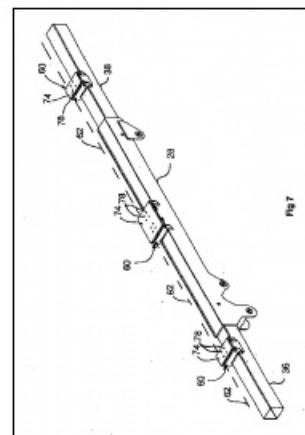
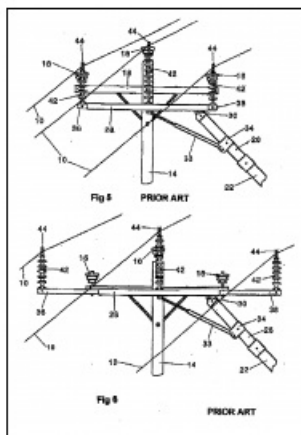
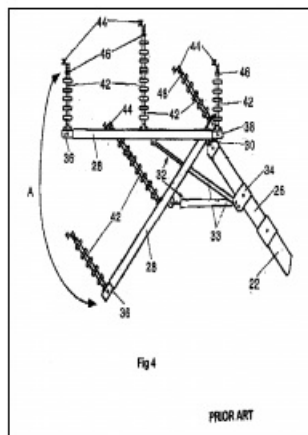
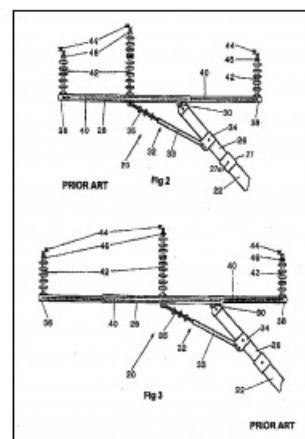
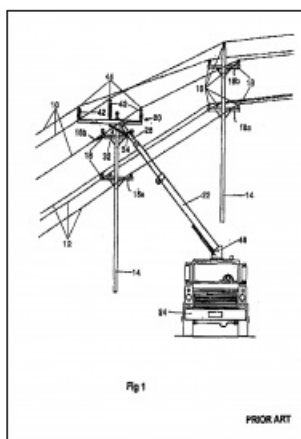
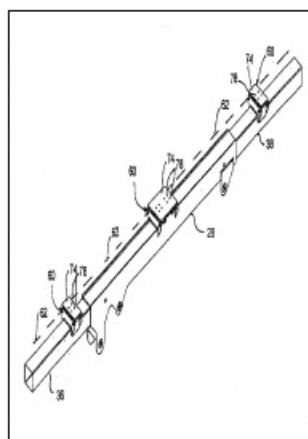
QUANTA SERVICES OF
CANADA LTD

Assignee(s):(std):

CLIFFORD DEVINE ; DANIEL O
CONNELL ; DEVINE CLIFFORD
WILLIAM ; O CONNELL DANEIL
NEIL ; QUANTA ASSOCIATES L
P ; QSI INC ; QUANTA ASSET
MAN LLC ; O CONNELL DANIEL
; QUANTA ASSOCIATES LP ; O
CONNELL DANIEL NEIL ;
QUANTA ASS L P ; QUANTA
SERVICES ; QUANTA
SERVICES INC ; QUANTA
SERVICES OF CANADA LTD

Assignee(s):

QUANTA ASSET MANAGEMENT
LLC ; QUANTA ASSOCIATES LP
HOUSTON ; O CONNELL DANIEL
N7388 TUCELNUIT
DRIVEOLIVERB1V0H 1T2CA ;
QUANTA ASSOCIATES LP2600 -
2800 POST OAK
BOULEVARDHOUSTONTX77056-
6175US ; QUANTA SERVICE OF
CANADA LTD ; DEVINE
CLIFFORD W10607 - 81
STREETOSYOYOOSB1V0H
1V2CA ; BANK OF AMERICA NA
ADMINISTRATIVE AGENT AS



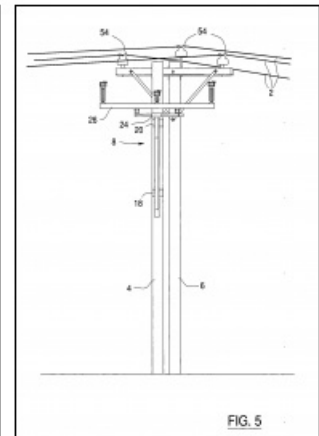
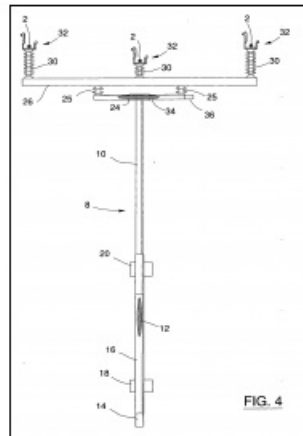
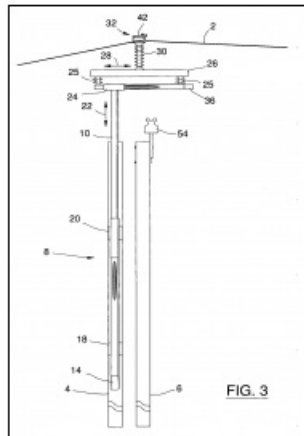
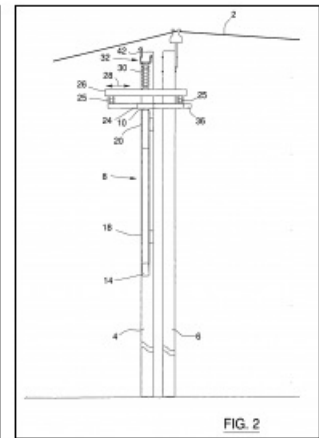
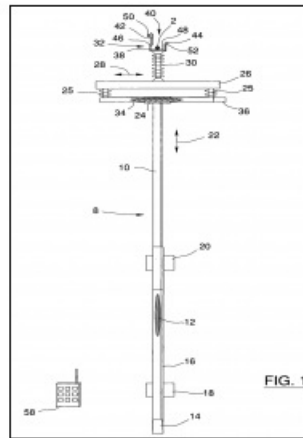
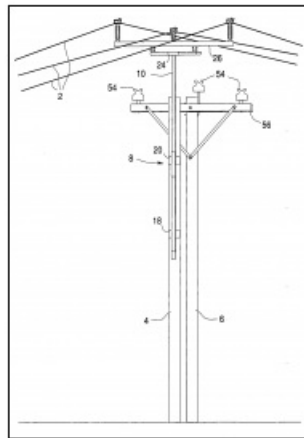
6 more images available

Title:
PORTABLE MANIPULATOR FOR
CARRYING OUT WORKS ON
ENERGIZED OVERHEAD
ELECTRICAL LINES

Abstract:
Source: US2011011987A A
manipulator for lifting
conductors of an energized
electrical line from a first pole
to a second pole. The
manipulator has a vertical
lifting assembly on which a
transverse displacement
assembly is mounted. The
vertical lifting assembly is
attachable to one of the poles
by a fastening assembly. The
transverse displacement
assembly has a mobile element
provided with a number of
insulators on which conductor
holders for receiving the
conductors of the electrical line
to be lifted are mounted. The
transverse displacement of the
mobile element and the
displacement of ...

Probable Assignee:
HYDRO QUEBEC

Assignee(s):(std):
HYDRO QUEBEC ; HYRDO
QUEBEC ; LESSARD ANDRE



2 more images available

Title:
METHOD AND APPARATUS FOR
PROVIDING TEMPORARY
SUPPORT AND A MEANS FOR
RELOCATING ENERGIZED
ELECTRICAL CONDUCTORS

Abstract:

Source: US2013134369A A temporary support and conductor re-locator includes a mounting arm and corresponding mounting bracket on one end of the arm, the other end supporting a pivotally mounted insulator depending downwardly from a crank arm. The upper end of the crank arm is attached to an actuator which, upon actuation, pivots the crank arm and insulator about the end of the support arm so as to rotate up and out of the way an energized conductor contained in the wire holder at the bottom end of the insulator. The support arm is temporarily mounted to an existing transmission line tower or ...

Probable Assignee:

QUANTA ASSOCIATES LP

Assignee(s):(std):

QUANTA ASS L P ; QUANTA ASSOCIATES LP ; WABNEGGER DAVID

Assignee(s):

QUANTA ASSOCIATES L P ; BANK OF AMERICA NA ADMINISTRATIVE AGENT AS

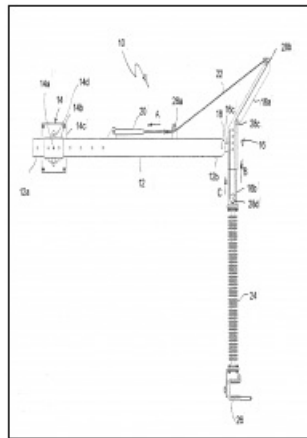


Fig 1

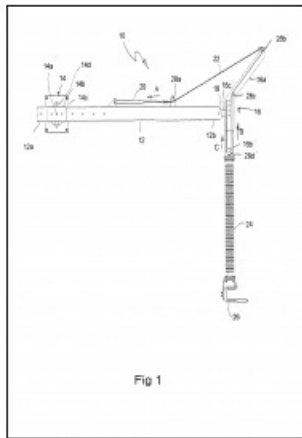


Fig 1a

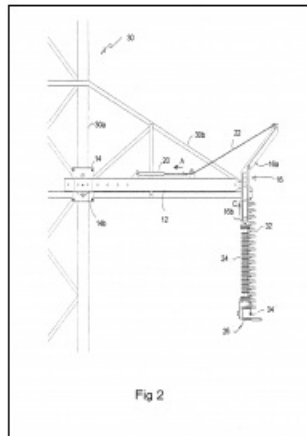
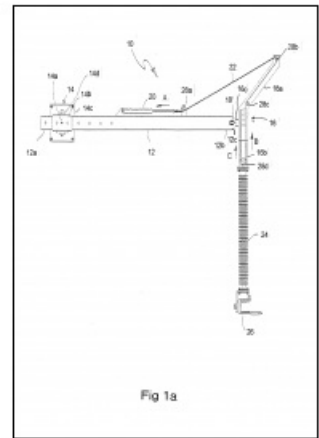


Fig 2

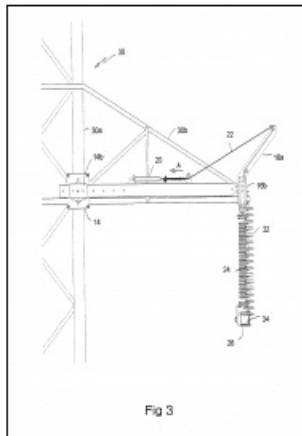


Fig 3

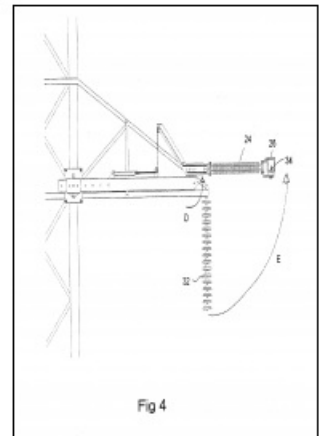


Fig 4

10 more images available

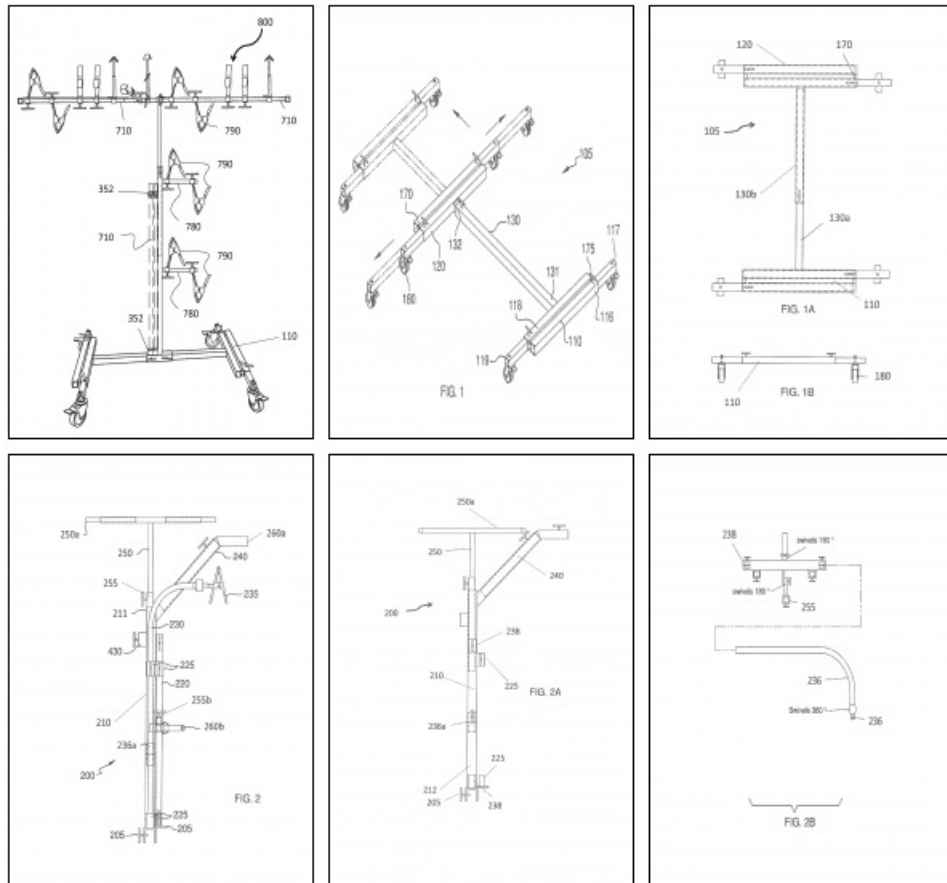
Title:
SUPPORT STAND SYSTEM FOR
AUTOMOBILE PARTS

Abstract:

Source: US8328173B A support stand system for supporting parts of automobiles for repair work or painting purposes featuring a main base and one or more additional components including a fender stand for supporting fenders, a bumper stand for supporting bumpers, a paint tray, a door stand for supporting doors and hoods, and a sawhorse. The components are interchangeable. Securing devices such as clamp brackets can be used with any of the components.

Probable Assignee:
DESFORGE LINDA

Assignee(s):(std):
DESFORGE LINDA ; DESFORGE
STEVEN L



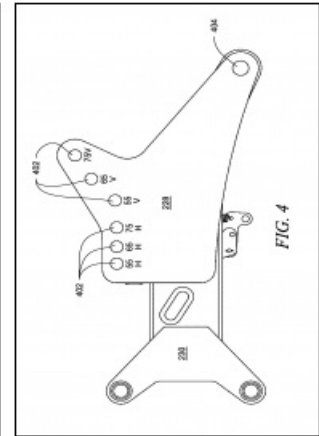
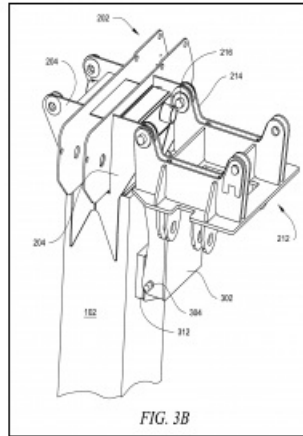
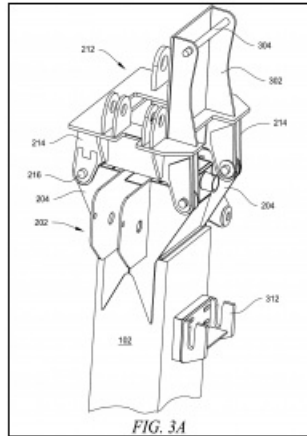
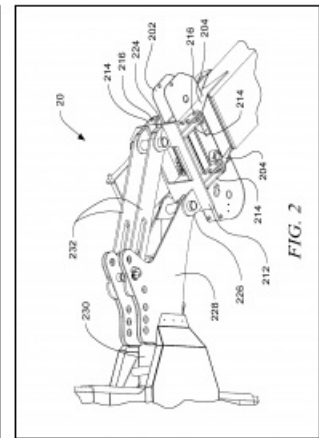
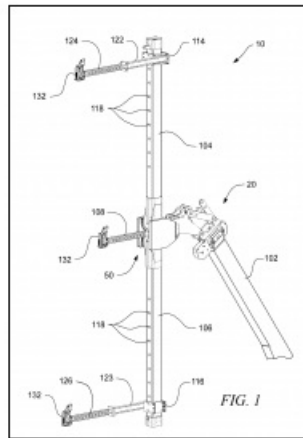
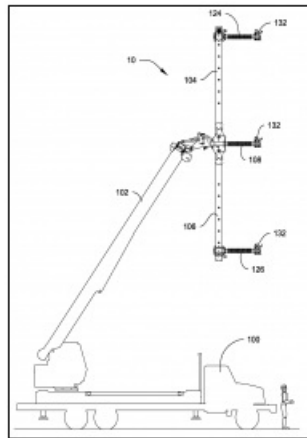
Title:
MOBILE CONDUCTOR LIFT

Abstract:
Source: US2015030426A A conductor lift attachment for a mobile boom or crane vehicle allowing temporarily support of power transmission conductors, e.g., for installation, repair, or maintenance operations. The conductor lift is hingedly attached to a boom tip so that the conductor lift is readily movable between deployed and stowed positions. The conductor lift comprises hinged arms that are selectively movable between opposed, parallel, and intermediate positions.

Probable Assignee:
FRITEL AND ASSOCIATES LLC

Assignee(s):(std):
FRITEL AND ASS LLC ; FRITEL AND ASSOCIATES LLC

Assignee(s):
FRITEL RAYMOND ; MARTIN MELANIE K ; FARLEY KARSTEN LEE



8 more images available