

# FreshPatents.com: Supports - USPTO Class 248 Patent Applications Update

USPTO Class 248 - Supports

## **20090278000 - Adjustable pivoting device for a panel display**

An adjustable pivoting device for panel display has a body and a mounting assembly. The body has a controller that is capable of longitudinal movement and two motivating elements that are capable of transversal movement. The controller has actuating slots formed slantwise through the controller. Each motivating element has a latch and an engaging element slidably mounted in one of the actuating slots of the controller, thereby the motivating elements are moved transversely when the controller is moved. The mounting assembly is pivotally mounted with a stand and has two latching elements that rotate simultaneously with the stand and has multiple teeth selectively engage the latches to limit a rotation of the stand. Accordingly, the adjustable pivoting device allows the stand to be adjusted to different positions for freely changing a status or an angle of the panel display and is convenient in use....

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## **20090278001 - Movable support post**

A movable support post is attached to a vessel, such as a large planter's pot. Two or more fasteners are employed to attach the post to the vessel. The fasteners extend through the post and extend into the interior of the vessel. A ballast material, such as concrete, is disposed in the vessel and encases the bolts therein. The ballast material acts as an anchor to stabilize the vessel and the attached post. A removable lid or tray is positioned at the top of the vessel. The tray or lid can function as a birdbath or flowerpot, adding a decorative adjunct to the structure....

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### **20090278002 - Fixing mechanism**

A fixing mechanism includes a base, a stud and an elastic clamping member. The base is arranged at a side of an object. The base includes a through hole defined therein. The stud includes a threaded hole defined therein. The stud includes a cap portion received in the through hole and a main body passing through the through hole. An engaging groove is defined in a surface of the main body. The elastic clamping member includes an annulus end surface, and a truncated cone surface extending from an inner edge of the annulus end surface. The annulus end surface is pressed against onto with the base. A number of gaps are radially arranged in the truncated cone surface thereby defining a number of clamping portions between the gaps. The clamping portions are engaged with the engaging groove thereby cooperatively clamping the stud....

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### **20090278003 - Floor engaging device for workbench**

A floor engaging device includes a shank having an outer thread for threadedly securing with a workbench and having an engaging member which includes a downwardly curved surface, a base includes an upper wall having an orifice for receiving the shank, and a curved surface for engaging with the curved surface of the engaging member and for allowing the shank to be tilted and inclined or adjusted relative to the base to any suitable or selected angular position. A spring biasing member or coupling device, such as a spring member may further be used for biasing the base and the shank together and thus for coupling the base and the shank together....

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### **20090278003 - Floor engaging device for workbench**

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#### **20090278004 - Loft storage rack**

A ceiling storage unit including: at least four brackets attachable to a ceiling; at least four support posts, each support post attachable to a bracket; a frame comprising at least two cross-beams attachable at their ends to the support posts; a shelf panel positioned on and supported by the frame; and at least two braces, each brace attachable at its ends to at least two support posts for supporting long items to be stored, wherein the positions of the braces and the frame along the support posts are adjustable....

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#### **20090278005 - Fish finder mounting bracket**

A bracket for mounting a fish finder display head to a conventional multi-gallon plastic pail is described with reference to two alternative embodiments. In the first embodiment, the bracket comprises spaced apart arms to provide a gimbal style mount and the arms have inboard, upwardly extending hooks to fit over the peripheral edge of the pail. In the second embodiment, the arms are combined with a stabilizer member and may be attached directly to the outside surface of the pail by means of threaded fasteners or Bungee cords or both. In both embodiments, a tip-over guard is provided in the form of a generally U-shaped of aluminum stock that is attached such as by rivets to the distal (outside) ends of the bracket arms. Means are provided for wrapping a power cable between the arms....

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#### **20090278006 - Lifting device for display apparatus**

Disclosed is a lifting device for a display apparatus that may include a tilting unit to allow a user to easily adjust a viewing angle of the display apparatus. The lifting device may include a wire connected to the display apparatus, and at least one tilting unit to adjust a viewing angle of the display apparatus. The tilting unit may include a rotatable arm to adjust a distance between a wall and the display apparatus, and a rotation obstructer to provide the arm, which may be supported on both the wall and the display apparatus, with a force counter to a force applied by the display apparatus to the wall when no external force is applied....

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#### **20090278007 - System and method for mounting a flat panel device**

A system and method for mounting a flat panel device are provided. The system includes a frame having a receiving space configured to receive a flat panel device therein, and a tension plate attached to the frame that provides for leveling of the frame and retention of the frame in the wall. The method includes providing a frame having a receiving space configured to receive a flat panel device therein and a tension plate attached to the frame, inserting the frame into a hole in a wall on which the flat panel device is to be mounted, adjusting the tension plate to level the frame and retain the frame in the hole, and mounting the flat panel device in the receiving space....

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#### **20090278008 - Lifting device of a display apparatus**

A lifting device used to fix the display apparatus to a wall. The display apparatus can be formed in a rear surface thereof with a plurality of holes. The lifting device includes a wire having both ends coupled to any one pair of holes of the plurality of holes, and a wire hanger fixed to the wall and used to hang the wire on the wall....

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A lifting device used to fix the display apparatus to a wall. The display apparatus can be formed in a rear surface thereof with a plurality of holes. The lifting device includes a wire having both ends coupled to any one pair of holes of the plurality of holes, and a wire hanger fixed to the wall and used to hang the wire on the wall....

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#### **20090278009 - Liquid storage and dispensing device and method thereof**

An apparatus for storing fluid containing bags comprising a shelf having a bag-supporting surface, and a pair of laterally extending projections. The device includes a pair of opposed sidewalls each comprising an inner surface, and a longitudinal groove for receiving one of said projections. The groove is disposed in the inner surface. A first support for supporting one of the projections in a first shelf position is disposed within the groove, and a second support for supporting one of the projections in a second shelf position is disposed within the groove. The shelf is disposed between the sidewalls such that each of the projections is disposed within a corresponding groove. The shelf is movable from the first shelf position wherein each of the projections is supported by a corresponding first support and the second shelf position wherein each of the projections is supported by a corresponding second support....

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#### **20090278010 - Closet carrousel**

Closet carrousel having a motorized vertical support tube that attaches to the floor and ceiling of a standard closet. Horizontal support tube arms radiate from the vertical support tube. Three arms extend out from the out from the upper region of the vertical tube and three arms extend out from the lower region of the support tube. The support tubes are slidably mounted on inner support rods. Each support rod is made of a first rod and a second rod that are hinged together to form one long rod. The support tubes hold standard hangers for hanging garments. The user can slide a horizontal support tube out past the hinged portion of the inner support rod so that the inner rod may be bent by the user thereby exposing and giving access to an inner core of shelving members....

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#### **20090278011 - Device suitable for tiltably mounting a display screen on a wall, as well as such a method**

A device suitable for tiltably mounting a display screen on a wall. The device comprises a wall member to be mounted on a wall, as well as a support member, to which the display screen is to be connected. The support member is connected to the wall member, being tiltably about a tilt axis. The device further comprises a pivotable connecting arm, which connects the wall member and the support member at a point spaced from the tilt axis. The connecting arm can be connected to one of a number of angle setting recesses for setting a desired angle of tilt between the support member and the wall member. The device comprises a slide which is movable relative to the wall member and the support member, which slide is provided with a number of recesses. The slide is movable with respect to the angle setting recesses from a first position in which the recesses and the angle setting recesses are...

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#### **20090278012 - Portable tools**

The present invention includes a portable tool including a tool body having a handle, a hook including a hook body, and a mounting device. The mounting device enables the hook body to be mounted to the handle with the hook body oriented in any one of a plurality of different directions and positioned at any one of a plurality of different positions along the oriented direction....

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#### **20090278013 - Universal bracket assembly for support and display of potted plants**

The present invention is a new and novel bracket assembly for display of potted plants. The main component is an integrally formed bracket that can be mounted onto any vertical support surface. Due to the shape and size of the bracket any type of flower pot having a rim can be re-movably supported thereon. The integrally formed bracket can be used independently and/or in combination with additional optional accessories. The accessories allow for variable configurations, multiples of the bracket to be displayed simultaneously and also the end user can install the assembly onto either a vertical, horizontal, or an overhead support surface....

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### **20090278014 - Overhead track system for roadways**

Equipment for collecting information from vehicles moving through a lane on a roadway is positioned over the roadway using a track structure and a transfer device. The transfer device is adapted to mount and move the equipment between a first location and a second location along the track structure. A mounting structure, such as a gantry, may be used to support the track structure and/or equipment over the lanes on the roadway. A pulley system may be disposed in the track structure to move the transfer device. Also, a displacing device to raise the equipment relative to the track structure when the equipment is being moved along the track may be used. Alternatively, the transfer device may be mounted in an offset configuration to move the equipment between locations without the use of a displacing device....

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### **20090278015 - Base apparatus for device holder**

A base apparatus for providing engagement to advice holder is provided, including a connection unit, a fixed unit, and at least a weight unit. The connection unit is for connecting a clapper or holder of electronic device, and the fixed unit is engaged to the bottom of the connection unit. The weight unit is sandwiched between and partially contained within the boundaries of the connection unit and the fixed unit. The weight unit includes a wrap means, an anti-slip means, and at least a weight object. The boundaries of the anti-slip means and the wrap means are engaged together to form a space for accommodating the weight object....

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#### **20090278016 - Flexpole support apparatus**

Disclosed is an improved apparatus for holding a construction item in a desired position while the construction item is being secured to a support structure. Embodiments of the apparatus comprise a pressure-plate configured with a pole-ball-socket, a pole-ball, and a flexible pole section. A plurality of pole sections may be used in a telescoping arrangement so that the apparatus may be used to lift a construction item to an elevated position. The pressure-plate defines a pressure-plate-surface configured for being associated with a surface of a construction item. The flexible pole section is then extended to move the construction item to a desired location (such as at ceiling height). Typically the pole section is held at an angle relative to a supporting surface (such as a floor) and then extended to a length about four inches longer than the distance from the supporting surface and said desired location. A side pressure is then applied to the pole section causing the pole...

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### **20090278017 - Saddle-adjusting mechanism of a fitness apparatus**

A saddle-adjusting mechanism of a fitness apparatus having: a) a set of upper and lower parallel slide rails pivotally attached to a front and a rear connecting rod; and b) a saddle support with guide rollers and an engaging gear such that the upper and lower parallel slide rails may be adjusted at a certain angle. Meanwhile, a saddle can be moved forward and backward and maintained at a certain angle so that the operators have a comfortable sitting. Moreover, a back pad support is installed in such a way that a fine adjustment of the backing angle of a back pad is achieved by moving it upward and downward....

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### **20090278018 - Lifting device of a display apparatus**

A lifting device of a display apparatus to allow for an upward/downward movement of the display apparatus and to improve a utility in installation space. The lifting device includes at least one wire coupled to the display apparatus, a lifting unit connected to the wire to move the display apparatus in a first direction or a second direction using a first force acting on the display apparatus. The lifting unit includes a position retainer to apply a second force counter to a weight of the display apparatus in order to maintain the display apparatus at a position, if the first force is removed....

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### **20090278019 - Machine having a machine element that can be moved along a crossbeam**

The invention relates to a machine provided with a machine element (5) movable along a cross-beam (1) and a measuring element (4) for measuring the machine element (5) position, wherein said cross-beam (1) is carried by first and second support elements (2, 3), the cross-beam is fixedly connected to the first support element (2) and movably connected to the second support element (3), the measuring element (4) is fixedly connected to the second support element (3) and movably connected to the first support element (2) The inventive machine makes it possible to reduce the influence of the support elements (2, 3) deformation on the accuracy of measurement of the machine element (5) position....

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#### **20090278020 - Campfire tool holding apparatus**

A campfire tool holding apparatus for inserting into the ground includes a top fork connected through an upper portion to a slide hammer shaft inserted slidingly through a slide hammer having an internal passage, said slide hammer traveling along said slide hammer shaft between an upper terminus and a lower terminus, and said top fork having a plurality of curved hooks, a lamp extension, and a threaded ground stake mating nut, a lower portion connecting said lower terminus to a ground stake connector, said lower portion having a bottom fork with a plurality of curved hooks for holding campfire tools and having a hooked ground stake end holder, and a ground stake threadably mateable to said lower portion when in use and threadably mateable to said threaded ground stake mating nut when in transport or in storage and having a sharpened end for insertion into the ground. The campfire tool holding apparatus when configured is a long column that inserts...

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### **20090278021 - Device for removing and installing aircraft components**

The invention relates to a modular device for removing and installing aircraft power plant components comprising a modular frame (41) as main system of the device, common for every component which is to be installed or removed, this modular frame (41) being assembled in attaching points (2,3) of the pylon lugs of the airframe, and this frame (41) comprising: a forward frame (7), at least two lateral frames (8) and a rear structure (9, 10). The invention also relates to a method for installing such a device for removing and installing aircraft power plant components, and to a method for operating said device....

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### **20090278022 - Scanning device with u-shaped cover**

A scanning device scans a dimensional standard which is situated on a guide rail which extends in a longitudinal direction, and has a body with a cross-section that is essentially U-shaped so that it may grip around the guide rail, at least one cover being provided on the outside of the scanning device and is designed as a profiled element, the cross section of which is U-shaped, having a base and two U-shaped legs, the cross-sectional shape of the cover being matched to the cross-sectional shape of the scanning device....

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### **20090278023 - Lower motor locking mount**

A robot is provided which comprises (a) a hub (311) disposed on a substrate (306); (b) a first motor (305) which operates a first arm by moving a first magnet (305) disposed within said hub; (c) a first housing element (331) for housing said first motor; (d) a first plate (321) disposed within said hub and attached to a first end of said housing element; and (e) a second plate (341) attached to a second end of said first housing element such that said substrate extends between said second plate and said hub....

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#### **20090278024 - Ice maker mounting adapter for ice and beverage dispenser**

An adapter for mounting an icemaker on top of an ice bin of an ice and beverage dispenser has a lid mounted for both sliding movement and pivotal movement relative to the remainder of the adapter. The lid normally covers an inlet to the ice bin. To expose the ice bin inlet for visually inspection of the interior of the bin and/or to accommodate manual filling of the bin with ice, the lid is manually slid forward off of and then be rotated away from the bin inlet to fully expose the inlet. The lid at all times remains connected to the adapter so that it is not lost or exposed to unsanitary conditions....

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