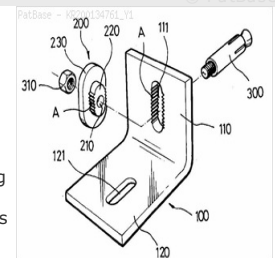


1) Family number: 17213105 (KR200134761Y)**BRACKET FOR FIXING STONE PANEL**

Abstract: Source: KR200134761Y The present design is relatively itself, such as the marble and granite or solid surface inside and exterior stone to the heavy weight of the rigidly attached to existing building structure which is used to secure the stone attached relates to a fixing bracket formed by bending at right angles to the upright wall portion 110 and the horizontal extension part 120 can work in each horizontal slot 121 of the drilled hole 111 and is fixed to the support plate 100, the work hole 111, there is fitted to the fitting part 220 having a length as possible, copper Shanghai fixing washer 200 can work hole 111, the inner surface and the fitting unit 220 is fitted in the fitting portion 220 to the outer side in the front-rear direction has a concave-convex engaged with each other are formed on the (A), the support fixing plate 100 is fixed to the fixing bolt (300) Bianca washer (200) characterized in that it is prevented from sliding down.

Probable Assignee: KIM KWANG YUK

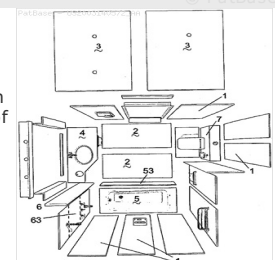
Earliest Publication Date: 19971013

**2) Family number: 28878527** (US2003140572A)**STRUCTURE FOR PRE-ASSEMBLED BATHROOM AND METHOD OF INSTALLATION OF THE BATHROOM**

Abstract: Source: US2003140572A Structure of bathroom for installation in a room intended for use as a bathroom including a multiplicity of covering panels (1, 2, 3) produced to measure for the continuous lining of at least a part of the walls and the floor of the room to be installed and a multiplicity of sanitary components or modules (4, 5, 6, 7) each predisposed with its own support structure and with its own tubes (41, 51, 61, 71) ready to be interconnected reciprocally and to be connected to hydraulic conducts of the room to be installed (100, 101) in such a way as to complete the hydraulic circuit of the bathroom; floor, ceiling and wall structures for a pre-assembled bathroom; method for installing a floor structure for pre-assembled bathroom and a method for the production and installation in a room of a complete pre-assembled bathroom including the phases of: produce panels of covering, factory produced to measure for the walls of the room; produce the self-bearing sanitary components provided with tubes and joints predisposed to be reciprocally connected and then connected up to the tubes of the room; installation of said panels and of said components without mural intervention or traditional constructions.

Probable Assignee: MEDITERRANEAN LICENCING CO SARL

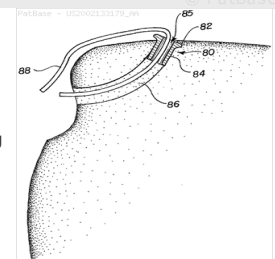
Earliest Publication Date: 20011115

**3) Family number: 29370804** (US2002133179A)**METHODS AND APPARATUS FOR PREVENTING MIGRATION OF SUTURES THROUGH TRANSOSSEOUS TUNNELS**

Abstract: Source: US2002133179A An improved method for attaching soft tissue to bone by passing a suture through an opening in the bone, e.g., a transosseous tunnel, and affixing the soft tissue with the suture. The improvement, for preventing the suture from migrating through the bone at the end of the opening, includes placing a eyelet into an end of the bone opening and passing the suture through the eyelet, as well as through the opening in the bone, in order to affix the soft tissue to the bone with the suture.

Probable Assignee: DEPUY MITEK LLC

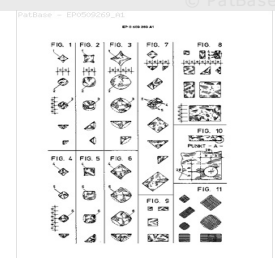
Earliest Publication Date: 19920218

**4) Family number: 4307204** (EP0509269A1)**SUSPENDED CEILING CLADDING MADE OF CEILING ELEMENTS SUCH AS CEILING PLATES AND LIGHTING GRIDS, WITH OR WITHOUT FIXING ELEMENTS.**

Abstract: The ceiling cladding should be suitable for a wide variety of ceiling designs, which can be constantly varied partially or totally, for uncomplicated mounting and demounting which can be carried out an unlimited number of times, and for an installation of lighting elements and room decorations. The ceiling elements, standardised according to basic structural modules, are prefabricated parts with a multiplicity of shapes and sizes (Fig. 1) which ensure a varied ceiling design and at the same time eliminate wall connection work. Screw connections serve for fixing the ceiling elements to the supporting structure, to one another and also at different heights, permit extremely simple mounting and demounting by hand whenever necessary, partial or total modifications at any time, and guarantee passage for suspensions of lighting elements and room decorations. The suspended ceiling cladding is suitable for ceilings of rooms of different areas and sizes, and is suitable in particular also, because of its mobility and simple handling, for ceilings of living-rooms.

Probable Assignee: SCHATZ SIEGFRIED DIPL ING

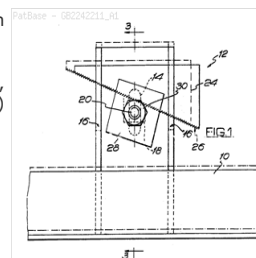
Earliest Publication Date: 19921021

**5) Family number: 6688769** (GB242211A)**BRICKWORK SUPPORT APPARATUS**

Abstract: Source: GB2242211A Apparatus for supporting the outer skin of a cavity wall includes a bracket (12) with a slot (14) for receiving a clamping bolt (20), and a wedge member (24) extending slidably through aligned slots (16) in side flanges of the bracket, the wedge member (24) acting against the clamping bolt (20) to adjust the height of the bracket. So that load applied to the bracket (12) will not tend to urge the wedge member (24) laterally, an edge of said wedge member is serrated and acts against the clamping bolt through a serrated edged washer (18) through which the clamping bolt extends. The washer may be integral with a clamping plate (28).

Probable Assignee: WINCRO METAL IND LTD

Earliest Publication Date: 19910925



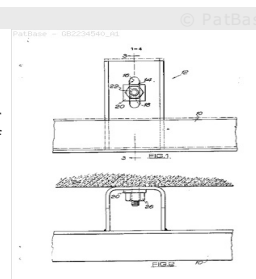
6) Family number: 6719571 (GB2234540A)

ADJUSTABLE BRICKWORK OR OTHER FACADE SUPPORT APPARATUS

Abstract: Source: GB2234540A Apparatus for supporting the brickwork or other facade forming the outer skin of a cavity wall includes a bracket having a vertical slot 14 with at least one serrated side wall 16 and a clamping washer 20 a plug portion of which has serrations 18 formed down at least one side surface for engaging the serrations 16 of the slot.

Probable Assignee: WINCRO METAL IND LTD

Earliest Publication Date: 19910206



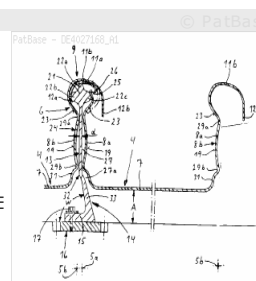
7) Family number: 8616937 (DE4027168A1)

WALL CLADDING PANEL IN BUILDING - HAS SIDE FLANGE SHAPED TO FIT OVER FLANGES OF ADJOINING PANEL

Abstract: Source: DE4027168A1 The cladding panel for cladding a wall, ceiling or roof is made from sheet metal and has two opposite edges bent at right angles to form flanges (8a, 8b). The outer edge of each flange is bent to circular form with the edge of one flange having a larger radius than the other. When two such panels are mounted side by side the flange of larger radius of one panel fits over the flange of smaller radius of the other panel with the first panel fitting over a supporting rib (14). The flanges (8a, 8b) have curved middle regions (19). USE/ADVANTAGE - Building wall cladding panels which are self-stabilising.

Probable Assignee: SCHNEIDER REINHOLD

Earliest Publication Date: 19920305



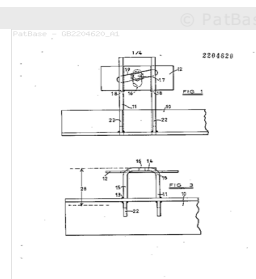
8) Family number: 2245205 (GB2204620A)

MASONRY SUPPORT FOR CLADDING FORMING AN OUTER SKIN OF A CAVITY WALL

Abstract: Source: GB2204620A A masonry support system for supporting an outer skin of masonry of a cavity wall in a multi storey building having a concrete or steel framed inner wall structure comprises a masonry support plate 10, 30 rigidly secured to brackets 11; 31, 32 having upper and lower abutment means 18; 37, 38 to receive a washer plate 12, 34. The washer plate has an inclined closed ended opening (Fig 4, 19), 35 which intersects an upright slot (16, Fig 1) 36 in a web (40, Fig 8), 31 of the bracket. A bolt stud projects through at the point of intersection from the inner wall structure and is tightened to secure the masonry support in position. Up and down adjustment is achieved by sliding the washer plate 12, 34 laterally between the abutments. Two embodiments are described, the first of which uses a vertical channel section bracket with the web 14 linked to side walls (15, Fig 3) forming bridging flanges across the cavity, the slide walls having slots 18 defining the upper and lower abutments for the washer plate. The masonry support plate forms parts of a cold formed angle section 10. Gussets 22 stiffen the angle section 10. The second embodiment includes a single cavity bridging flange 32 affording the lower abutment 37 and a perpendicular web 31 affording the slot 36 and upper abutment 38. The bridging flange 32 is welded to a flat plate 30 forming the masonry support plate.

Probable Assignee: EXPAMET U K LIMITED

Earliest Publication Date: 19881116



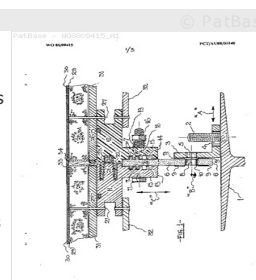
9) Family number: 3006664 (WO8809415A1)

BUILDING SYSTEM

Abstract: A system for attaching external cladding to a wall or frame of a building in such a way that the cladding is capable of limited movement, in three directions, with respect to the wall or frame thus enabling stresses set up during adverse conditions to be combatted. The system comprises a first component (3) attached to the building framework and having means (4, 5) allowing adjustment of a second component (6) attached at one end thereto. The other end of the second component (6) has further adjustment means (7) interfiting with and sandwiched between minor portions (13, 14) of oppositely facing matable members (11, 12) which are resiliently held together by resilient means (19) associated with an elongated bore (20) allowing further adjustment. Between major portions of the matable members (11, 12) is placed a resilient sealing strip (24), the inner sealant. To the outward facing faces of these members are placed further resilient sealing strips (25, 26), the outer sealants, upon which the external cladding is held in abutting relationship, by means (27) anchored to the matable members (11, 12).

Probable Assignee: HITCHINS WILLIAM GRAHAM

Earliest Publication Date: 19881201



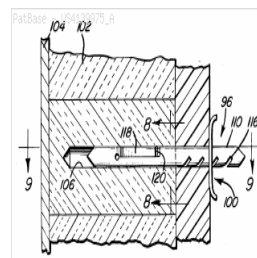
10) Family number: 7320111 (US4139975A)

UNIVERSAL RETAINER ASSEMBLY

Abstract: Source: US4139975A A retainer assembly for securing insulation material or similar material in mounted position against or alongside of a wall surface or the like. The retainer assembly includes a longitudinally extending extension or stud having a retaining washer longitudinally adjustably mounted thereon in a secure and positive manner. In one embodiment, the extension is adjustably supported by use of an extension holder which adjustably connects to the extension and is welded or otherwise bonded to a furnace wall. In another embodiment, the extension is adjustably mounted in a bore whereby the end of the extension having the retaining washer thereon may be oriented to secure the insulation material or liner in predetermined relation to the supporting surface or wall such as refractory brick or the like.

Probable Assignee: BAKER EDWARD S

Earliest Publication Date: 19790220



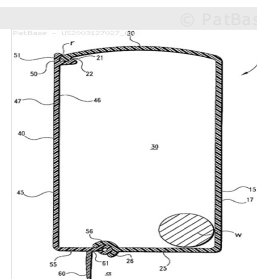
11) Family number: 29744540 (US2003127027A)

ELECTRICAL RACEWAY ASSEMBLY

Abstract: Source: US2003127027A An electrical raceway assembly for use with a table-top structure. The raceway assembly includes an elongated raceway and a locking element. The locking element includes a first end detachably engaged to the raceway, and an opposite second end having a locking lever movable between a locked position for quickly engaging the raceway to the structure and a released position for quickly releasing the raceway from the structure. The elongated raceway has a length, a transverse base and a pair of opposite upstanding sidewalls extending along the length to define at least one open channel configured for retaining electrical wires. The raceway is engageable to the table-top structure in either a first position, wherein the raceway extends above the upper surface, or a second position, wherein the raceway extends beneath the lower surface. The raceway is further engageable in either a forward facing orientation or a reversed orientation.

Probable Assignee: DITTO SALES INC

Earliest Publication Date: 19991120



12) Family number: 727780 (GB1235117A)

IMPROVEMENTS IN AND RELATING TO SUPPORT BRACKETS

Abstract: Source: GB1235117A 1,235,117. Brackets. E. BICKERTON and H. O. LUDER. 21 Aug., 1968 [21 Aug., 1967],- No. 38510/67. Heading A4B. A bracket assembly comprises a channel 1 with mutually convergent sides embedded in or secured to a wall or ceiling and a bracket component 2 having two bars 2a, 2b pivotally interconnected, as at 5, for movement about an axis perpendicular to the base of the channel 1, the bars 2a, 2b each having a dovetail shaped head 3 which engages in the channel and the arrangement being such that the heads 3 are fitted into the channel 1 before the bars 2a, 2b are pivoted to an aligned position in which the heads 3 clamp against the sides of the channel 1. The aligned condition is maintained by a locking bolt 7. The load to be supported is suspended from depending limbs of the bracket 2 or by bolts (8, Fig. 3) depending from the bars 2a, 2b. The pivot 5 may be offset from the mid-position between the heads 3 (Fig. 4) and the channel 1 may have integral straps (9) embedded in a concrete support (4). In a modification, Fig. 6, the locking is effected by a U-shaped washer 11 held in position over the bars 2a, 2b by the pivot bolt 10. In another embodiment, Fig. 9, the bracket 2 extends laterally from a vertically mounted channel 1. The pivot bolt 10 bears on the base of the channel 1 to clamp the bracket 2 at any desired position along the length of the channel 1. In a further embodiment, Fig. 11, the bracket supports one or more scaffold tubes 14 locked in position by a clamping bolt 13.

Probable Assignee: BICKERTON EDWARD

Earliest Publication Date: 19710609

