

SYSTEM AND METHOD FOR FIXING MODULAR FURNITURE

TECHNICAL FIELD

The present invention relates to systems and methods for fixing modular furniture, particularly having individual (I) or shared (S) profile, each having alignment and adjustment mechanism with a first longitudinal member, a dual clip lock mechanism comprising a second longitudinal member, and adjustable device.

BACKGROUND

Conventional arrangements in the area of fixing modular furniture do not meet the critical requirements including adjustment and alignment, and the added requirement of aesthetically pleasing modular furniture.

US 7228977 B2 discloses a workroom organization system comprising a slotwall panel and/or slot track storage system with at least one repositionable slotwall or slot track mounted storage cabinet, and a workbench system comprising a workbench having a work surface and defining a storage recess beneath the work surface, with at least one mobile storage cabinet.

US 9044090 B2 discloses a bracket or support member including a body, at least one arm or hook extending away from the body that can be inserted through an aperture in a support, the at least one arm or hook including an end portion which is adapted to be received into a recess on a rear surface of the support.

However, these documents possess a limitation in that after the systems are built on the wall, the surface is not flat thus the systems can swerve. The wall panel also follows the uneven surface without alignment which eventually leads to misinstallation and misalignment of wood shelves, cabinets etc. Therefore, the abovementioned requirements are not met by the conventional systems.

BRIEF SUMMARY

The present invention provides a solution to the limitation of the conventional architectures and processes. It is an object of the present invention to provide systems and methods fixing modular furniture having wall alignment and adjustment mechanisms. It is another object of the present invention to resolve alignment and adjustment issues by the conventional systems and methods. It is a further object of the present invention to provide systems and method which are highly durable and provide greater weight limit.

Individual (I) Profile

According to an embodiment of the present invention, a system for fixing modular furniture having an individual (I) profile is provided. The system comprises an alignment and adjustment mechanism having a T-shaped bracket that is configured for adjusting heights of a shelving system or a hanging cabinet, the T-shaped bracket is secured directly to a wall; at least one fastening means for securing the T-shaped bracket to the wall; a first longitudinal member which has a first section and a second section, the first section has two parallel sides and a third side which connects the two parallel side, the third side has an inverted triangular recess at the middle, the second section has two parallel inverted-L sides and a third side which connects the parallel inverted-L sides, the first longitudinal member has plurality of adjustable alignment holes and plurality of height adjustment round holes; a dual clip lock mechanism comprising a second longitudinal member which is arranged in the second section and which is secured therein by the inverted-L sides of the second sections, the second longitudinal member has first, second, and third parallel sides, the first and second side have substantially the same height, the half of the body of the second side is threaded, the third side has two parts, one part is an inverted L shaped part with an inverted triangular recess at the middle thereof, and the other part is a threaded part; a rectangular base plate which has at least one oval shaped hole, the at least one oval shaped hole is arranged with adjustable plugs and screws, loosening the adjustable screw is movable upward or downward for alignment, shifting a square head screw in left or right direction for vertical alignment, the rectangular base plate has a space which facilitates insertion of the square head screw, the square head screw is secured by a lock nut; and an adjustment device which has an adjustment nut having a hollow center and a threaded inner side for receiving the square head screw, the adjustment nut has a gap where the first and second longitudinal members are arranged.

In an embodiment of the present invention, the system for fixing modular furniture comprises the feature wherein an adjustment of the adjustment device is achieved by either (i) loosening the adjustable screws being directed in up and down motion to form a horizontal line, (ii) the square head screws being moved left to right to form a vertical line, or (iii) the adjustment nut is rotated in and out to adjust a slanting height.

In an embodiment of the present invention, the system for fixing modular furniture comprises the feature wherein the T-shaped bracket has at least one aperture, the wall has at least one indent, the T-shaped bracket is concealed after installation.

In an embodiment of the present invention, the system for fixing modular furniture comprises the feature wherein each fastening means passes through the corresponding aperture of the T-shaped bracket and the corresponding indent of the wall.

Shared (S) Profile

According to another embodiment of the present invention, a system for fixing modular furniture having a shared (S) profile is provided. The system comprises an alignment and adjustment mechanism having a T-shaped bracket is configured for adjusting heights of a shelving system or a hanging cabinet, the T-shaped bracket is secured directly to a wall; at least one fastening means for securing the T-shaped bracket to the wall; a first longitudinal member which has a first section and a second section, the first section has two parallel sides and a third side which connects the two parallel side, the third side has an inverted triangular recess at the middle, the second section has two parallel inverted-L sides and a third side which connects the parallel inverted-L sides, the first longitudinal member has plurality of adjustable alignment holes and plurality of height adjustment round holes; a dual clip lock mechanism comprising a second longitudinal member which is arranged in the second section and which is secured therein by the inverted-L sides of the second sections, the second longitudinal member has first, second, and third parallel sides, the first and second side have substantially the same height, the half of the body of the second side is threaded, the third side has two parts, one part is an inverted L shaped part with an inverted triangular recess at the middle thereof, and the other part is a threaded part; an adjustment device which comprises of a longitudinal profile, a square head screw, a hex lock nut, and an adjustable nut having a slot or cross screw head and a gap, the longitudinal profile has

an opening that allows insertion of the square head screw, the opening facilitates left and right movement of the square head screw thereby allowing the hex lock unit to secure the square head screw; and plurality of oval shaped holes where wall plugs and adjustable screws are arranged, and the adjustable screws allow shifting and alignment of the longitudinal profile.

In an embodiment of the present invention, the system for fixing modular furniture comprises the feature wherein the T-shaped bracket has at least one aperture, the wall has at least one indent, the T-shaped bracket is concealed after installation.

In an embodiment of the present invention, the system for fixing modular furniture comprises the feature wherein the T-shaped bracket is arranged by either (i) installation of the T-shaped bracket to plurality of height adjustment round holes of a first longitudinal member, or (ii) installation of the T-shaped bracket to selected three (3) height adjustment round holes of the first longitudinal member for securing directly to the wall.

In an embodiment of the present invention, the system for fixing modular furniture comprises the feature wherein the adjustment device of the S-Profile can be adjusted in three configurations. i.e., (a) loosening the adjustable screws and shifting the longitudinal profile to achieve horizontal alignment (b) shifting an adjustable square head screw in left or right position to achieve vertical alignment, or (c) rotating the adjustment nut in or out to achieve slanting alignment.

BRIEF DESCRIPTION OF DRAWINGS

Fig. 1 illustrates a side view of a T-shaped bracket in accordance to an embodiment of the present invention.

Fig. 2a illustrates side view of a first longitudinal member in accordance to an embodiment of the present invention.

Fig. 2b illustrates side view of a second longitudinal member in accordance to an embodiment of the present invention.

Fig. 2c illustrates side view of a first longitudinal member arranged with a second longitudinal member in accordance to an embodiment of the present invention.

Fig. 3a illustrates a slant view of a first longitudinal member arranged with a second longitudinal member in accordance to an embodiment of the present invention.

Fig. 3b illustrates a front view of a first longitudinal member arranged with a second longitudinal member in accordance to an embodiment of the present invention.

Fig. 4 illustrates a front view of an adjustment device (I-Profile) arranged with first longitudinal member and a second longitudinal member in accordance to an embodiment of the present invention.

Fig. 5 illustrates cross-sectional side and top views of an adjustment device (I-Profile) installed in a concrete wall.

Fig. 6 illustrates a front view of an adjustment device (S-Profile) in accordance to an embodiment of the present invention.

Fig. 7 illustrates a front view of an adjustment device (S-Profile) as installed in a concrete wall in accordance to an embodiment of the present invention.

Fig. 8 illustrates side and top view of an adjustment device (S-Profile) as installed in a concrete wall in accordance to an embodiment of the present invention.

Fig. 9 illustrates a front view of T-shaped brackets during installation (I-Profile) in accordance to an embodiment of the present invention.

Fig. 10 illustrates a front view of T-shaped brackets during installation (S-Profile) in accordance to an embodiment of the present invention.

Fig. 11a illustrates a top view of T-shaped brackets during installation (S-Profile) in accordance to an embodiment of the present invention.

Fig. 11b illustrates a top view of T-shaped brackets during installation (I-Profile) in accordance to an embodiment of the present invention.

Fig. 12a illustrates a method of fastening T-shaped bracket (I-Profile) in accordance to an embodiment of the present invention.

Fig. 12b illustrates a method of fastening T-shaped bracket (S-Profile) in accordance to an embodiment of the present invention.

Fig. 13 illustrates a top and back view of a decor cover panel (7) arrange with plurality of second longitudinal member (3) and drill round or rectangular holes.

Figs. 14 to 15 show the concrete wall (8) is connected with plurality of first longitudinal member (2) and plurality of second longitudinal member (3) and T shape bracket (1). The decor cover panel (7) has plurality of second longitudinal member (3) at the back portion and pre-drill round or rectangular holes at décor cover panel (7). The back portion of the decor cover panel (7) must be fixed to the concrete wall by interlocking the plurality of second longitudinal member (3) on the decor cover panel (7) to the plurality of second longitudinal member (3) on the concrete wall (8). During interlocking, T shape bracket (1) penetrates through round or rectangular holes and expose outside of decor cover panel (7). After installation of décor cover panel (7), plurality of first longitudinal member (2) and plurality of second longitudinal member (3) are concealed.

Fig. 16a illustrates a top view of adjustment device (6) (S profile) after cover by decor cover panel and T shape bracket expose.

Fig. 16b illustrates a top view of adjustment device (4) (I profile) after cover by decor cover panel and T shape bracket expose.

Fig. 17-18 illustrate a system for fixing modular furniture comprising an alignment and adjustment mechanism which is installed and concealed on a décor cover panel of the modular furniture in accordance to an embodiment of the present invention.

Fig. 18 illustrates a system for fixing modular furniture comprising an alignment and adjustment mechanism which is installed and concealed on a décor cover panel of the modular

furniture whereby shelves are also arranged in accordance to an embodiment of the present invention.

Fig. 19 illustrates a side view of a system for fixing modular furniture comprising an alignment and adjustment mechanism which is installed and concealed on a décor cover panel of the modular furniture in accordance to an embodiment of the present invention.

DETAILED DESCRIPTION

The detailed embodiments of the present invention shall now be discussed. It should be noted however that the figures are made for the purpose of illustration only as an aid to understanding, and not necessarily to scale the principles of the present invention. Furthermore, the structural and functional details shown or described herein must not be interpreted as limiting, but simply as an aid for a person skilled in the art to understand the concept of the present invention.

Referring to Fig. 1, it shows a T-shaped bracket in accordance to an embodiment of the systems and methods of the present invention. The T-shaped bracket (1) is configured for adjusting heights of a shelving system (9), hanging cabinet (10), the T-shaped bracket (1) is secured directly to a wall, and at least one fastening means (1.1) for securing the T-shaped bracket (1) to the wall. The T-shaped bracket (1) has at least one aperture for installation to a wall. The T-shaped bracket (1) is concealed after installation. This feature is advantageous in that it provides a more secure arrangement, i.e., by being concealed; the elements embodying the present invention are not prone to depreciation due to external environmental factors. Further, this feature enhances aesthetics of the present invention. In an embodiment of the present invention, each fastening means passes through the corresponding aperture of the T-shaped bracket (1) and the corresponding indent of the wall. The at least one aperture are equally distanced in the T-shaped bracket, corresponding to the equally distanced indents in the wall.

Referring to Fig. 2a-2c, the figures show the following features as embodied in the systems and methods of the present invention: a first longitudinal member (2) which has a first section (2.1) and a second section (2.2), the first section (2.1) has two parallel sides (2.11, 2.12) and a third side (2.3) which connects the two parallel sides (2.11, 2.12), the third side (2.3) has an inverted triangular recess at the middle of the two parallel sides (2.11, 2.12), the second section

(2.2) has two parallel inverted-L sides (2.21, 2.22) and the third side (2.3) extends from the first section (2.1) to the second section (2.2) to connect the parallel inverted-L sides (2.21, 2.22); a dual clip lock mechanism comprising a second longitudinal member (3) which is arranged in the second section (2.2) and which is secured therein by the inverted-L sides of the second section (2.2), the second longitudinal member has first (3.1), second (3.2), and third (3.3) parallel sides, the first (3.1) and second side (3.2) have substantially the same height, the half of the body of the second side (3.2) is threaded, the third side (3.3) has two parts, one part is an inverted L shaped part (3.31) with an inverted triangular recess at the middle thereof, and the other part is a threaded part (3.32).

Referring to Figs. 3a-3b, the figures show an embodiment of the systems and methods of the present invention comprising a slant view of a first longitudinal member (2) arranged with a second longitudinal member (3) as embodied in the systems and method of the present invention. The first longitudinal member (2) has plurality of adjustable alignment key holes (2.4) and plurality of height adjustment round holes (2.5). The plurality of height adjustment round holes (2.5) are equally distanced.

In an embodiment of the present invention, the equally distanced at least one aperture of the T-shaped bracket in Fig. 1, correspond to the equally distanced plurality of height adjustment round holes (2.5) of the first longitudinal member (2) to allow height adjustment of the T-shaped bracket. The T-shaped bracket is fastened by wall plug and screws (1.2, 1.3).

In a specific embodiment of the present invention (see Fig. 1), the T-shaped bracket has three equally distanced aperture for height adjustment on the first longitudinal member (2). In this embodiment, the three equally distanced apertures are matched with the desired corresponding height adjustment round holes (2.5) of the first longitudinal member (2) during installation in order to achieve the desired height of the T-shaped bracket.

Referring to Fig. 4, it shows an embodiment of the systems and methods of the present invention comprising an adjustment device (I-Profile) arranged with first longitudinal member and a second longitudinal member as embodied in the systems and method of the present invention. The adjustment of the adjustment device (4) is achieved by either (i) loosening an adjustable screw (4.2) and being directed in up and down motion to form a horizontal line, (ii) the adjustable square

head screw (G) being moved left to right to form a vertical line, or (iii) the adjustment nut (J) is rotated in and out to adjust a slanting height.

In an embodiment of the present invention, an adjustment device (4) (I-Profile) comprises a rectangular base plate (F) which has at least one oval shaped hole (4.3) arranged with adjustable plugs and screws (4.1, 4.2), the adjustable screws (4.2) are loosened and are movable upward or downward for horizontal alignment, an adjustable square head screw (G) which is inserted at an opening (4.4) of the rectangular base plate (F), the adjustable square head screw (G) is shifted left or right for vertical alignment, , the adjustable square head screw (G) is secured by a hex lock nut (H), and an adjustment nut (J) which has a hollow center and a threaded inner side for receiving the adjustable square head screw (G), the adjustment nut (J) has a gap (K) which is arranged with the first and second longitudinal members (2, 3).

Referring to Fig. 5, it shows an embodiment of the systems and methods of the present invention comprising an adjustment device (I-Profile) installed in a concrete wall (8). In an embodiment of the present invention, an adjustment of the adjustment device (4) (I-Profile) is achieved by either (i) loosening the adjustable screw (4.2) and being directed in up and down motion to form a horizontal line, (ii) the adjustable square head screw (G) being moved left to right to form a vertical line, or (iii) the adjustment nut (J) is rotated in and out to adjust a slanting height.

Referring to Fig. 6, it shows an embodiment of the systems and methods of the present invention comprising an adjustment device (S-Profile) in accordance to an embodiment of the present invention. In an embodiment of the present invention, it comprises an adjustment device (6) which comprises of a longitudinal profile (5), a square head screw (G), a hex lock nut (H), and an adjustable nut having (J) a slot or cross screw head and a gap (K), the longitudinal profile (5) has an opening that allows insertion of the square head screw (G), the opening facilitates left and right movement of the square head screw (G) thereby allowing the hex lock unit (H) to secure the square head screw (G); and plurality of oval shaped holes (5.3) where wall plugs (5.1) and adjustable screws (5.2) are arranged, and the adjustable screws (5.2) allow shifting and alignment of the longitudinal profile.

In an embodiment of the present invention, the adjustment device (6) of the S-Profile is adjusted through either (a) loosening the adjustable screws (5.2) and shifting the longitudinal profile (5) up or down to achieve horizontal alignment (b) shifting an adjustable square head screw

(G) in left or right position to achieve vertical alignment, or (c) rotating the adjustment nut in or out to achieve slanting alignment.

Referring to Fig. 7, it shows an embodiment of the systems and methods of the present invention comprising an adjustment device (S-Profile) as installed in a concrete wall (8) in accordance to an embodiment of the present invention. The adjustment device (6) comprises longitudinal profile (5), the adjustable square head screw (G), the hex lock unit (H), and the adjustment nut (J).

Referring to Fig. 8, it shows an embodiment of the systems and methods of the present invention comprising an adjustment device (S-Profile) as installed in a concrete wall (8) in accordance to an embodiment of the present invention. The adjustment device (S-Profile) can be adjusted in three configurations (a) loosening the adjustable screws and shifting the longitudinal profile to achieve horizontal alignment (b) shifting an adjustable square head screw in left or right position to achieve vertical alignment, or (c) rotating the adjustment nut in or out to achieve slanting alignment.

Referring to Figs. 9-12b, they show the configuration or arrangement and method of fastening of the T-shaped brackets (in each of I-Profile or S-Profile). In an embodiment of the present invention, the T-shaped bracket (1) is arranged by either (i) installation of the T-shaped bracket (1) to plurality of height adjustment round holes (2.5) of a first longitudinal member, or (ii) installation of the T-shaped bracket (1) to selected three height adjustment round holes (2.5) of the first longitudinal member (2) for securing directly to the wall.

Fig. 13 shows a top view and back view of plurality of second longitudinal member (3) on a decor cover panel (7). The decor cover panel (7) is installed with plurality of second longitudinal member (3) to be interlocked with the corresponding plurality of second longitudinal member (3), which are installed with the plurality of first longitudinal member (2), on the concrete wall. The drill holes (7.1) for insertion of the T-shaped bracket (1) can be round or rectangular in shape such that the T-shaped bracket (1) can go through.

Fig. 14 shows a decor cover (7) panel having a T-shaped bracket (1) and plurality of arranged first longitudinal member (2) with a second longitudinal member (3) concealed and arranged with a concrete wall (8). The concrete wall (8) is connected with T-shaped bracket (1),

plurality of first longitudinal member (2) and plurality of second longitudinal member (3). The decor cover panel (7) has plurality of second longitudinal member (3) secured at the back portion thereof. The back portion of the decor cover panel (7) must be fixed to the concrete wall by interlocking the plurality of second longitudinal member (3) on the decor cover panel (7) to the plurality of second longitudinal member (3) on the concrete wall (8). The T-shaped bracket (1) penetrates through round or rectangular holes and a part thereof protrudes for receiving wood shelves (9) or cabinets (10).

In an embodiment of the present invention, the material used for the first longitudinal member (2), or for the adjustment device (6), is aluminum. For the second longitudinal member (3), the material used is PVC polyvinyl chloride (PVC) plastic.

Fig. 15 shows the decor cover panel (7) is fixed to the concrete wall (8). Also, the plurality of second longitudinal member (3) of the decor cover panel (7) are interlocked with the plurality of second longitudinal member (3) arranged with the first longitudinal member (2) on the concrete wall (8). The T-shaped bracket (1) penetrates through round or rectangular holes and a part thereof protrudes for receiving wood shelves (9) or cabinets (10).

Fig. 16a-16b shows the top views of an embodiment of the present systems and methods of this invention. The figures show an adjustment device (6) of the S-Profile and an adjustment device (4) of the I-Profile, respectively, as installed with a concrete wall (8) and a decor cover panel (7).

Figs. 17-18 illustrate the T-shaped bracket (1) concealed inside the wood shelves (9) or cabinets (10). The plurality of first longitudinal member (2) and the plurality of second longitudinal members (3), the adjustment device (4) and/or the adjustment device (6), are also hidden between the decor wall panel (7) and the concrete wall (8). After installation, the T-shaped bracket (1) is concealed inside the wood shelves (9) or cabinets (10) or decor wall panel (7). This arrangement enhances the aesthetics of the present invention.

Fig. 19 shows the side view of the T-shaped brackets, the plurality of first longitudinal member (2) and the plurality of second longitudinal members (3), the adjustment device (4) and/or the adjustment device (6), which are concealed. After installation, the T-shaped bracket (1) is

concealed inside the wood shelves (9) or cabinets (10) or decor wall panel (7). This arrangement enhances the aesthetics of the present invention.

While various embodiments are described herein, it should be noted that these embodiments are not restrictive. Any modification by any skilled address is possible without departing from the context and principles of the present invention. Throughout the entire specification, expressions such as “including”, “have”, “having”, “comprising”, shall be construed in a non-exclusive manner, allowing other features, components, elements, or steps, not explicitly described as present. Furthermore, any element disclosed herein that are stated in singular, can be embodied in plural form and will not depart from the context and principles of the present invention.

CLAIMS

1. A system for fixing modular furniture, the system comprising:

an alignment and adjustment mechanism having

a T-shaped bracket (1) configured for adjusting heights of a shelving system (9) or a hanging cabinet (10), the T-shaped bracket (1) is secured directly to a wall;

at least one fastening means for securing the T-shaped bracket (1) to the wall;

a first longitudinal member (2) which has a first section (2.1) and a second section (2.2), the first section (2.1) has two parallel sides (2.11, 2.12) and a third side (2.3) which connects the two parallel sides (2.11, 2.12), the third side (2.3) has an inverted triangular recess at the middle of the two parallel sides (2.11, 2.12), the second section (2.2) has two parallel inverted-L sides (2.21, 2.22) and the third side (2.3) extends from the first section (2.1) to the second section (2.2) to connect the parallel inverted-L sides (2.21, 2.22), the first longitudinal member (2) has plurality of adjustable alignment key holes (2.4) and plurality of height adjustment round holes (2.5);

a dual clip lock mechanism comprising a second longitudinal member (3) which is arranged in the second section (2.2) and which is secured therein by the inverted-L sides of the second section (2.2), the second longitudinal member has first (3.1), second (3.2), and third (3.3) parallel sides, the first (3.1) and second side (3.2) have substantially the same height, the half of the body of the second side (3.2) is threaded, the third side (3.3) has two parts, one part is an inverted L shaped part (3.31) with an inverted triangular recess at the middle thereof, and the other part is a threaded part (3.32); and

an adjustment device (4) having

a rectangular base plate (F) which has at least one oval shape hole (4.3) and which is arranged with adjustable plugs and screws (4.1, 4.2), the adjustable screws (4.2) are loosened and are movable upward or downward for horizontal alignment,

an adjustable square head screw (G) which is inserted at an opening (4.4) of the rectangular base plate (F), the adjustable square head screw (G) is shifted left or right for vertical alignment, the adjustable square head screw (G) is secured by a hex lock nut (H), and

an adjustment nut (J) which has a hollow center and a threaded inner side for receiving the adjustable square head screw (G), the adjustment nut (J) has a gap (K) which is arranged with the first and second longitudinal members (2, 3).

2. The system for fixing modular furniture as claimed in claim 1, wherein the adjustment device (4) is adjusted through either (i) loosening the adjustable screw (4.2) and being directed in up and down motion to form a horizontal line, (ii) the adjustable square head screw (G) being moved left or right to form a vertical line, or (iii) the adjustment nut (J) is rotated in and out to adjust a slanting height.

3. The system for fixing modular furniture as claimed in claim 1, wherein the T-shaped bracket (1) has at least one aperture, the wall has at least one indent, the T-shaped bracket (1) is concealed after installation.

4. The system for fixing modular furniture as claimed in claim 3, wherein each fastening means passes through the corresponding aperture of the T-shaped bracket (1) and the corresponding indent of the wall.

5. The system for fixing modular furniture as claimed in claim 1, wherein the T-shaped bracket (1) is arranged by either (i) installation of the T-shaped bracket (1) to plurality of height adjustment round holes (2.5) of a first longitudinal member, or (ii) installation of the T-shaped bracket (1) to selected three height adjustment round holes (2.5) of the first longitudinal member (2) for securing directly to the wall.

6. The system for fixing modular furniture as claimed in claim 1, wherein the system further comprises plurality of T-shaped brackets (1), plurality of first longitudinal members (2) and plurality of second longitudinal members (3), plurality of adjustment device (4) and/or plurality of adjustment device (6) which are concealed by a decor cover panel (7), or wood shelves (9) or a hanging cabinet (10).

7. A system for fixing modular furniture, the system comprising:

an alignment and adjustment mechanism having

a T-shaped bracket (1) is configured for adjusting heights of a shelving system (9) or a hanging cabinet (10), the T-shaped bracket (1) is secured directly to a wall;

at least one fastening means for securing the T-shaped bracket (1) to the wall;

a first longitudinal member (2) which has a first section (2.1) and a second section (2.2) , the first section (2.1) has two parallel sides (2.11, 2.12) and a third side (2.3)

which connects the two parallel sides (2.11, 2.12), the third side (2.3) has an inverted triangular recess at the middle of the two parallel sides (2.11, 2.12), the second section (2.2) has two parallel inverted-L sides (2.21, 2.22) and the third side (2.3) extends from the first section (2.1) to the second section (2.2) to connect the parallel inverted-L sides (2.21, 2.22), the first longitudinal member (2) has plurality of adjustable alignment key holes (2.4) and plurality of height adjustment round holes (2.5);

a dual clip lock mechanism comprising a second longitudinal member (3) which is arranged in the second section (2.2) and which is secured therein by the inverted-L sides of the second section (2.2), the second longitudinal member has first (3.1), second (3.2), and third (3.3) parallel sides, the first (3.1) and second side (3.2) have substantially the same height, the half of the body of the second side (3.2) is threaded, the third side (3.3) has two parts, one part is an inverted L shaped part (3.31) with an inverted triangular recess at the middle thereof, and the other part is a threaded part (3.32);

an adjustment device (6) which comprises of a longitudinal profile (5), a square head screw (G), a hex lock nut (H), and an adjustable nut having (J) a slot or cross screw head and a gap (K), the longitudinal profile (5) has an opening that allows insertion of the square head screw (G), the opening facilitates left and right movement of the square head screw (G) thereby allowing the hex lock unit (H) to secure the square head screw (G); and

plurality of oval shaped holes (5.3) where wall plugs (5.1) and adjustable screws (5.2) are arranged, and the adjustable screws (5.2) allow shifting and alignment of the longitudinal profile.

8. The system for fixing modular furniture as claimed in claim 7, wherein the T-shaped bracket (1) has at least one aperture, the wall has at least one indent, the T-shaped bracket (1) is concealed after installation.

9. The system for fixing modular furniture as claimed in claim 7, wherein each fastening means passes through the corresponding aperture of the T-shaped bracket (1) and the corresponding indent of the wall.

10. The system for fixing modular furniture as claimed in claim 8, wherein the T-shaped bracket (1) is arranged by either (i) installation of the T-shaped bracket (1) to plurality of height adjustment round holes (2.5) of a first longitudinal member, or (ii) installation of the T-shaped

bracket (1) to selected three height adjustment round holes (2.5) of the first longitudinal member (2) for securing directly to the wall.

11. The system for fixing modular furniture as claimed in claim 7, wherein the adjustment device (6) is adjusted through either (a) loosening the adjustable screws (5.2) and shifting the longitudinal profile (5) up or down to achieve horizontal alignment (b) shifting an adjustable square head screw (G) in left or right position to achieve vertical alignment, or (c) rotating the adjustment nut in or out to achieve slanting alignment.

12. The system for fixing modular furniture as claimed in claim 7, wherein the system further comprises plurality of T-shaped brackets (1), plurality of first longitudinal members (2) and plurality of second longitudinal members (3), plurality of adjustment device (4) and/or plurality of adjustment device (6) which are concealed by a decor cover panel (7), or wood shelves (9) or a hanging cabinet (10).