Claims

1. Cabinet framework ~~(34)~~ for a furniture cabinet ~~(30)~~, the cabinet framework ~~(34)~~ comprising:
   - supporting struts ~~(54, 56, 58, 60, 62, 64, 66, 68, 74, 76)~~ for providing structural support to the furniture cabinet ~~(30)~~,
   - at least one connecting strut ~~(50, 52)~~ connected to at least one of the supporting struts ~~(54, 56, 58, 60, 62, 64, 66, 68, 74, 76)~~ for securing, and
   - at least one cabinet hinge ~~(36, 38)~~ mounted onto the at least one connecting struts ~~(50, 52)~~ for holding a cabinet door ~~(32)~~,

   wherein the at least one connecting strut comprises a breadth ~~(55, 57, 61, 63)~~ for supporting an arm ~~(41, 43)~~ of the at least one cabinet hinge; and
   wherein the at least one connecting strut comprises a first core, a second core and a connecting plate, the connecting plate joining the two cores via two arms extending radially from the two cores respectively ~~(36, 38)~~.

2. Cabinet framework ~~(34)~~ of Claim 1, wherein
   The at least one of the supporting struts ~~(54, 56, 58, 60, 62, 64, 66, 68, 74, 76)~~ comprise a first arm ~~(90)~~ and a second arm ~~(92)~~ that extend radially from a core ~~(98)~~ of the at least one of the supporting struts ~~(54, 56, 58, 60, 62, 64, 66, 68, 74, 76)~~, the first arm ~~(90)~~ and the second arm ~~(92)~~ forming a cavity ~~(100, 102, 104, 106)~~ between the arms ~~(90, 92)~~.

3. Cabinet framework ~~(34)~~ of Claim 2, wherein
   radial ends ~~(91, 93)~~ of the first arm ~~(90)~~ and the second arm ~~(92)~~ are detached with a gap ~~(95)~~.

4. Cabinet framework ~~(34)~~ of any of the preceding Claims, wherein
   The at least one of the supporting struts ~~(54, 56, 58, 60, 62, 64, 66, 68, 74, 76)~~ further comprises a third arm ~~(94)~~ and a fourth arm ~~(96)~~ that extend radially from the core ~~(98)~~ of the at least one of the supporting struts ~~(54, 56, 58, 60, 62, 64, 66, 68, 74, 76)~~, radial ends ~~(91, 93)~~ of the third arm ~~(94)~~ and the fourth arm ~~(96)~~ being connected in forming a cavity ~~(100)~~ between the arms ~~(90, 92)~~.

~~5. Cabinet framework (34) of any of the preceding Claims, wherein~~

~~The at least one connecting strut (50, 52) comprises a first core (98), a second core (124) and a connecting plate (112, 114), the connecting plate (112, 114) joining the two cores (98, 124) via two arms (92, 94, 116, 122) extending radially from the two cores (98, 124) respectively.~~

~~6.~~5. Cabinet framework ~~(34)~~ of Claim 5, wherein

The connecting plate ~~(112, 114)~~ comprises a first plate ~~(112)~~ and a second plate ~~(114)~~ that provide opposite sides ~~(112, 114)~~ of the at least one connecting strut ~~(50, 52)~~.

~~7.~~6. Cabinet framework ~~(34)~~ of any of the preceding claims, wherein

At least one of the supporting struts ~~(54, 56, 58, 60, 62, 64, 66, 68, 74, 76)~~ and the connecting strut ~~(50, 52)~~ are made of metal or metal alloy.

~~8.~~7. Cabinet framework ~~(34)~~ of Claim 7, wherein

The metal or metal alloy comprises aluminum material respectively.

~~9.~~8. Cabinet framework ~~(34)~~ of any of the preceding Claims 2 to 5, wherein

The core ~~(98, 124)~~ comprises a cylindrical tube ~~(98, 124)~~ having a wall thickness of at least 0.5mm for screw tightening.

~~10.~~9. Cabinet framework ~~(34)~~ of any of the preceding claims further comprising

A handle bar ~~(70)~~ that comprises a guiding rib ~~(140, 142)~~ for securing with the cavities ~~(100, 102, 104, 106, 126, 128, 130)~~.

~~11.~~10. Cabinet framework ~~(34)~~ of any of the preceding claims further comprising

A first leg ~~(180)~~ for connecting to at least one of the supporting struts ~~(54, 56, 58, 60, 62, 64, 66, 68, 74, 76)~~ or the connecting strut ~~(50, 52)~~ in order to support the cabinet framework ~~(34)~~.

~~12.~~11. Cabinet framework ~~(34)~~ of Claim 11, wherein

The first leg ~~(180)~~ comprises at least a portion of the supporting struts ~~(54, 56, 58, 60, 62, 64, 66, 68, 74, 76)~~, the connecting strut ~~(50, 52)~~ or both.

~~13.~~12. Cabinet framework ~~(34)~~ of any of the preceding claims further comprising

A first supporting screw set ~~(194)~~ that includes a first supporting screw ~~(196) (with a shank)~~ for inserting into the cavity ~~(100, 102, 104, 106, 126, 128, 130, 132, 134, 136)~~.

~~14.~~13. Cabinet framework ~~(34)~~ of Claim 13, wherein

the first supporting screw set ~~(194)~~ further comprises a first supporting nut ~~(198)~~, the first supporting nut ~~(198)~~ having a side profile matching the cavity ~~(100, 102, 104, 106, 126, 128, 130, 132, 134, 136)~~ for securing the first supporting screw set ~~(194)~~.

~~15.~~14. Cabinet framework ~~(34)~~ of any of the preceding claims further comprising

A first corner joint ~~(204)~~ having arms ~~(205, 207)~~ perpendicular to each other, at least one of the arms ~~(205, 207)~~ having a side profile ~~(cross-section)~~ matching the cavity ~~(100, 102, 104, 106, 126, 128, 130, 132, 134, 136)~~.

~~16.~~15. Cabinet framework ~~(34)~~ of any of the preceding claims, wherein

The at least one cabinet hinge ~~(36, 38)~~ comprises a concealed hinge.

~~17.~~16. Cabinet framework ~~(34)~~ of any of the preceding claims further comprising

A damper ~~(36, 38)~~ for soft-closing.

~~18.~~17. Cabinet framework ~~(34)~~ of any of the preceding claims further comprising

A draw runner for sliding a drawer into or out of the cabinet framework ~~(34)~~.

~~19.~~18. Cabinet framework ~~(34)~~ of any of the preceding claims further comprising

An array of LED lights ~~(88)~~ that is installed into the cavity ~~(100, 102, 104, 106, 126, 128, 130, 132, 134, 136)~~.

~~20.~~19. Furniture cabinet ~~(30)~~ comprising:

The cabinet framework ~~(34)~~ of any of the preceding claims, and

A board ~~(48, 89, 91)~~ for covering one side of the cabinet framework ~~(34)~~.

~~21.~~20. Furniture cabinet ~~(30)~~ of Claim 20 further comprising

A cabinet door ~~(32)~~ that is joined to the at least one connecting strut ~~(50, 52)~~ via the cabinet hinge ~~(36, 38)~~.

~~22.~~21. Method of making a furniture cabinet comprising:

- Providing supporting struts ~~(54, 56, 58, 60, 62, 64, 66, 68, 74, 76)~~,
- Supplying at least one connecting strut ~~(50, 52)~~ for connecting to at least one of the supporting struts ~~(54, 56, 58, 60, 62, 64, 66, 68, 74, 76)~~, and
- Mounting at least one cabinet hinge ~~(36, 38)~~ onto the at least one connecting struts ~~(50, 52)~~ for holding a cabinet door;

Wherein the at least one connecting strut comprises a first core, a second core and a connecting plate, the connecting plate joining the two cores via two arms extending radially from the two cores respectively ~~(32)~~.

~~23.~~22. Method of installing a furniture cabinet comprising

- Providing a cabinet framework ~~(34)~~ according to one of the preceding claims 1 to 19, and
- Joining one of the supporting struts ~~(54, 56, 58, 60, 62, 64, 66, 68, 74, 76)~~ or the at least one connecting strut ~~(50, 52)~~ to a wall for fixing.

~~24.~~23. Method of refurbishing or repairing the furniture cabinet ~~(30)~~ of Claim 20 or 21 comprising

replacing the board ~~(48, 89, 91)~~ or the array of LED lights ~~(88)~~ with another piece ~~(48, 89, 91, 88)~~.

~~25.~~24. Method of recycling a furniture cabinet ~~(30)~~comprising

Removing at least one fasteners ~~(182, 194, 204, 206)~~ from the furniture cabinet ~~(30)~~ or the cabinet framework ~~(34)~~ such that the supporting struts ~~(54, 56, 58, 60, 62, 64, 66, 68, 74, 76)~~, the at least one connecting strut ~~(50, 52)~~ and the cabinet doors ~~(32)~~ can be taken apart,

wherein the at least one connecting strut comprises a first core, a second core and a connecting plate, the connecting plate joining the two cores via two arms extending radially from the two cores respectively.