

ABSTRACT

FURNITURE ASSEMBLY SYSTEM AND A METHOD FOR THE SAME

A furniture assembly system (10), comprising:

- a plurality of cross panels (100,100a), wherein each cross panel comprises a plurality of engaging apertures (102) of a right-angle cross shape arranged in one or more rows and one or more columns, with each engaging aperture being separated from an adjacent engaging aperture at a predetermined distance,
- at least one top panel (300) comprising a plurality of lock-down apertures,
- at least one support member (200,200a,200b), wherein the or each support member comprises a first interaction edge (201) and a second interaction edge (202) connectable to the cross panel, and a third interaction edge (203) connectable to the top panel, the first interaction edge and the second interaction edge being substantially perpendicular to the third interaction edge, and

wherein each of the first interaction edge and the second interaction edge comprises at least one hook joint (210) shaped and sized to be insertable into the engaging aperture of the cross panel and to extend beyond the cross panel forming a cantilevered projection, the third interaction edge comprises one or more protruding portions (220) shaped and sized to fit in the plurality of lock-down apertures (304) of the top panel.

(Figure 1)