Claims

1. An object transport system comprising
a divider plate having an array of apertures; and

a plurality of dividers, each of said dividers comprising

a~~n~~ flexible elongate throat connecting a head to a divider base,

wherein the divider base is arranged to be inserted into one of said apertures and the elongate throat is arranged to deflect when a force, from an object, is exerted on it.

2. The system according to claim 1, wherein the divider is symmetrical.

3. The system according to claim 1 or 2, wherein the divider head has a circular plan section.

4. The system according to any one of claims 1 to 3, wherein spacing of the apertures and divider heads are arranged such that, wherein a plurality of dividers are placed adjacent to each other in adjacent apertures, load bearing faces of the divider heads come into contact with each other.

5. The system according to claim 4, wherein the dividers have a selective stiffness provided through distributing the applied load between the dividers.

~~2. The system according to claim 1, wherein the dividers are positionable to collectively define an enclosure for said object.~~

~~3. The system according to claim 1 or 2, wherein the apertures are arranged in a close packed arrangement.~~

~~4. The system according to any one of the preceding claims, wherein the divider is shaped to accommodate a close packed arrangement.~~

~~5. The system according to any one of claims 1 to 4, wherein the divider base comprises an H-beam cross-section.~~

~~6. The system according to any one of claims 1 to 4, wherein the divider base comprises a C-beam cross-section.~~

~~7.~~6. The system according to any one of ~~the preceding~~ claims 1 to 5, wherein the divider base and aperture~~s~~ are cooperatively shaped for insertion using any one of: snap fit, bayonet fit, or screw fit.

~~8.~~7. The system according to any one of claims 1 to 6~~7~~, wherein the divider base ~~includes~~ comprises two~~a~~ tabs, each moveable between an extended position and a squeezed position.

~~9. The system according to any one of claims 1-8, further comprising a divider removal device arranged to retract the tab in the squeezed position.~~

~~10.~~8. The system according to any one of ~~the preceding~~ claims 1 to 7, wherein the divider ~~has a~~ head is made of a more resilient material surrounded by a softer material.

~~11. The system according to any one of the preceding claims, further comprising a column support.~~

~~12.~~9. The system according to any one of the preceding claims, wherein the dividers are arranged to transfer load between dividers.

~~13. The system according to claim 3 or 4, wherein the arrangement is a hexagonal close packed arrangement.~~

~~14. The system according to any one of claims 1-4, wherein the dividers are arranged in several layers.~~

~~15. A divider for insertion into a divider plate, the divider comprising~~

~~an elongate throat connecting a head to a divider base,~~

~~wherein the divider base is shaped to insert into an aperture on a divider plate.~~

~~16. The divider according to claim 15, wherein the divider is shaped to accommodate a close packed arrangement.~~

~~17. The divider according to claim 15 or 16, wherein the divider base comprises an C-beam cross-section.~~

~~18. A method of manipulating a divider within an aperture of a divider plate, said divider including a depressible tab on a divider base, the method comprising the steps of:~~

~~inserting the divider base into a neck of said aperture, said neck depressing the tab from an extended position to a squeezed position;~~

~~further inserting the divider base such that the divider base enters a void, the tab resiliently moving to an extended position within said void, and consequently locking said divider into said aperture.~~

~~19. The method according to claim 18, further including the steps of:~~

~~inserting a divider removal device into said void;~~

~~retracting said depressible tab to the squeezed position;~~

~~withdrawing said divider.~~

10. A method of holding an object using an object transport system according to any one of claims 1 to 9.