

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
5 an elongate throat connecting a head to a divider base,
wherein the divider base is arranged to be inserted into one of said apertures.
2. The system according to claim 1, wherein the dividers are positionable to
collectively define an enclosure for said object.
- 10 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.
- 15 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
20 comprises a C-beam cross-section.
7. The system according to any one of the preceding claims, wherein the divider base
and apertures are cooperatively shaped for insertion using any one of: snap fit,
bayonet fit, or screw fit.
- 25 8. The system according to any one of claims 1 to 5 and 7, wherein the divider base
comprises two legs.
9. The system according to claim 8, wherein each leg comprises a depressible tab and a
30 wedge.
10. The system according to claim 8, wherein each leg comprises a depressible tab and a
ridge.
- 35 11. The system according to claim 9 or 10, wherein the tab is moveable between an
extended position and a squeezed position.
12. The system according to any one of claims 1 to 4 and 6-7, wherein the divider base
comprises a rigid tab and a flexurally depressible tab.
- 40 13. The system according to any one of claims 9-11, further comprising a divider
removal device arranged to retract the tabs in the squeezed position.

14. A divider for insertion into a divider plate, the divider comprising
an elongate throat connecting a head to a divider base,
5 wherein the divider base is shaped to insert into an aperture on a divider plate.
15. The divider according to claim 14, wherein the divider is shaped to accommodate a
close packed arrangement.
16. The divider according to claim 14 or 15, wherein the divider base comprises an H-
beam cross-section.
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17. The divider according to any one of claims 14-16, wherein the divider base
comprises two legs.
18. The divider according to claim 17, wherein each leg comprises a depressible tab and
15 a ridge.
19. The divider according to claim 14 or 15, wherein the divider base comprises a rigid
tab and a flexurally depressible tab.
20. A method of manipulating a divider within an aperture of a divider plate, the method
comprising the steps of:
said divider having depressible tabs;
inserting a divider base into a neck of said aperture, said neck depressing the
depressible tabs from an extended position to a squeezed position;
25 further inserting the divider base such that the divider base enters a void, the tabs
resiliently moving to an extended position within said void, and consequently
locking said divider into said aperture.
21. The method according to claim 20, further including the steps of:
inserting a divider removal device into said void;
30 retracting said depressible tabs to the squeezed position;
withdrawing said divider.