

CLAIMS

1. A tray for releasably engaging a trolley, the tray comprising a body describing a sealed volume, the sealed volume having a phase change material received therein,
5 the tray comprising an engagement means for releasably engaging a trolley.
2. A tray according to any preceding claim, wherein the phase change material has a phase change temperature of less than zero degrees Celsius.
- 10 3. A tray according to any claim 1 or claim 2, wherein the phase change material comprises a eutectic solution.
4. A tray according to any preceding claim, wherein sealed volume comprises an insulative foam.
- 15 5. A tray according to claim 4, wherein the insulative foam is an open celled foam.
6. A tray according to claim 4 or claim 5, wherein the insulative foam comprises a phenolic foam.
- 20 7. A tray according to any one of claims 4 to 6, wherein the phase change material is at least partially located within the pores of the insulative foam.
8. A tray according to any one of claims 4 to 7, wherein the insulative foam comprises a thermally conductive member.
- 25 9. A tray according to Claim 8, wherein the thermally conductive member comprises one or more of metal, carbon nanotubes and/or graphene.
- 30 10. A tray according to claim 9, wherein the insulative foam comprises between 1 and 2% carbon nanotubes and/or graphene by weight.
11. A tray according to any preceding claim, wherein the body comprises a polymeric material.

12. A tray according to any preceding claim, wherein the body is moulded.
13. A tray according to any preceding claim, wherein the body comprises one or more of metal, carbon nanotubes and/or graphene.
- 5 14. A tray according to claim 13, wherein the body comprises between 1 and 2% carbon nanotubes and/or graphene by weight.
- 10 15. A tray according to any preceding claim, wherein the body comprises a metallic structure having a polymeric material coating.
16. A tray according to any preceding Claim, wherein the tray or body comprises a hydrophobic coating.
- 15 17. A tray according to any preceding claim, comprising an inlet configured to allow for fluid communication with the sealed volume.
18. A tray according to any preceding claim, wherein the releasable engaging means comprises one or more tabs or clips for engaging a portion of a trolley.
- 20 19. A tray according to any preceding claim, wherein the releasable engaging means comprises one or more retractable tabs for engaging a portion of a trolley.
20. A tray according to any preceding claim, comprising communication means.
- 25 21. A tray according to claim 20, wherein the communication means comprises a RFID tag, arranged to contain operational information associated with the tray.
22. A tray according to any preceding claim, comprising an elastomeric cover arranged to at least partially encapsulate the body.
- 30 23. A tray according to any preceding claim, wherein the tray is a temperature regulating tray.

24. A tray according to any preceding claim, configured to engage a galley trolley of an aircraft.
25. A galley trolley for an aircraft, comprising a tray according to any preceding claim.
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26. A galley trolley according to Claim 25, the trolley comprising a food storage compartment and a tray storage compartment in which the tray is located or locatable.