Claim

1. An aluminium storage unit comprising

a joint comprising

a connector having a first face and a second face;

a first frame element having a pair of surfaces substantially parallel to each other, the first frame element comprises an attaching side perpendicular to the pair of surfaces, wherein each of the pair of surfaces has an area larger than the attaching side, and wherein the attaching side of the first frame element is attached to the first face; and

a second frame element having a pair of surfaces substantially parallel to each other, the second frame element comprises an attaching side perpendicular to the pair of surfaces, wherein each of the pair of surfaces has an area larger than the attaching side, and wherein the attaching side of the second frame element is attached to the second face.

2. The aluminium storage unit of claim 1, wherein the connector comprises a first engaging member connected to the first face, the first engaging member adapted to engage the first frame element and a second engaging member connected to the second face, the second engaging member adapted to engage the second frame element.

3. The aluminium storage unit of claim 1 or 2, wherein the connector comprises a tube comprising an external surface and an internal surface within the external surface, wherein the first face and the second face are part of the external surface.

4. The aluminium storage unit of claim 2 or 3, wherein each of the first frame element and the second frame element comprises an attaching member attachable to the first engaging member and the second engaging member respectively.

5. The aluminium storage unit of claim 4, wherein at least one of the first engaging member and the second engaging member comprises a channel extending along the first face or the second face respectively, wherein the attaching member comprises a head adapted to be engaged by the channel.

6. The aluminium storage unit of claim 4 or 5, wherein the attaching member is detachable from the first frame element or the second frame element.

7. The aluminium storage unit of any one of claims 4 to 6, wherein the attaching member is adapted to be operated between a locking configuration configured to lock the attaching member to the first engaging member or the second engaging member and an unlocking configuration configured to unlock the attaching member from the first engaging member or the second engaging member.

8. The aluminium storage unit of any one of claims 1 to 3, wherein the connector further comprises a first rear surface behind the first face and a second rear surface behind the second face, wherein the first rear surface and the second rear surface are part of the internal surface.

9. The aluminium storage unit of claim 8, wherein the connector comprises a base portion comprising the first face, the first rear surface, the second face and the second rear surface and a cover adapted to cover the first rear surface and the second rear surface.

10. The aluminium storage unit of claim 8 or 9, wherein the connector comprises a first through hole extending from the first rear surface to the first face and a second through hole extending from the second rear surface to the second face, wherein the first engaging member extends through the first through hole and the second engaging member extends through the second through hole.

11. The aluminium storage unit of any one of claims 8 to 10, wherein at least one of the first engaging member and second engaging member comprises a fastener adapted to fasten at least one of the first frame element and the second frame element to the connector.

12. The aluminium storage unit of any one of claims 1 to 11, wherein the first face is perpendicular to the second face.

13. The aluminium storage unit of any one of claims 1 to 12, wherein the first frame element or the second frame element comprises a bar or a panel having a first end and a

second end opposite the first end, wherein the bar or panel is connected to the connector at the first end.

14. The aluminium storage unit of any one of claims 1 to 13, wherein the connector comprises a first end and a second end opposite the first end, wherein the connector comprises an end cap adapted to cover each of the first end and the second end.

15. The aluminium storage unit of any one of claims 1 to 14, wherein the first frame element comprises a pair of bars, wherein the aluminium storage unit further comprises a pair of support arms extending from one of the pair of bars to the other, wherein the pair of arms are slidable along the pair of bars.