

Claims

1. A display unit comprising one or more display panels and a peripheral frame in which the one or more display panels are mounted and by which the one or more display
5 panels are supported, wherein the peripheral frame comprises a plurality of straight extruded sections and a plurality of corner sections linking the straight extruded sections together to form the peripheral frame, each straight extruded section having a substantially solid body defining a substantially flat and inflexible inward facing surface, in which surface a plurality of transversely spaced extruded channels are formed running
10 longitudinally in a length direction of the straight extruded section, each channel in profile having a narrow neck portion and a wider main portion below the neck portion, the display unit further comprising a plurality of channel engaging members each arranged to be slotted into any one of the extruded channels to permit each channel engaging
15 members to be placed in any desired transversely spaced channel and to slide along that channel to a desired longitudinal position, to anchor a mounting for a component of the display unit against the substantially flat and inflexible inward facing surface at one or more transverse locations.
2. A display unit as claimed in claim 1 wherein the transverse profile of each straight
20 extruded section is symmetrical about a longitudinal central plane of the extruded section.
3. A display unit as claimed in any preceding claim wherein adjacent extruded channels in the inward facing surface are equally spaced.
- 25 4. A display unit as claimed in any preceding claim wherein each straight extruded section has a substantially U-shaped cross sectional profile, with a substantially flat base portion and two side portions, wherein the inner face of the base portion has at least two channels in it.
- 30 5. A display unit as claimed in claim 5 wherein at least the inner face of at least one side portion has at least one channel therein.

6. A display unit as claimed in claim 6 wherein the inner faces of both side portions each have at least one channel therein.
- 5 7. A display unit as claimed in any preceding claim wherein each corner section has a cross sectional profile having channels corresponding to the channels in the straight extruded sections, which channels are in register with the channels in the straight extruded sections when the peripheral frame is assembled.
- 10 8. A display unit as claimed in any preceding claim wherein the corner sections are formed by the being extruded.
9. A display unit as claimed in any preceding claim further comprising dowels engaging pairs of straight extruded section and adjacent corner sections.
- 15 10. A display unit as claimed in claim 9 wherein the straight extruded sections and corner sections in cross section have a plurality of corresponding sets of holes for receiving respective dowels when the peripheral frame is assembled.
11. A display unit as claimed in any preceding claim wherein the straight extruded
20 sections in cross section have additional features extruded within the solid body.
12. A display unit as claimed in any of claims 1 - 10 wherein the straight section is solid in form apart from any extruded channels formed therein.
- 25 13. A display unit as claimed in any preceding claim wherein the channel engaging members are T-slot nuts.
14. A display unit as claimed in any preceding claim wherein both the straight extruded sections and the corner sections are metal.

15. A display unit as claimed in any preceding claim wherein the peripheral frame comprises four right angled corner sections and four extruded straight sections.
16. A display unit as claimed in any preceding claim wherein the unit comprises at least one planar section with parallel front and rear faces, wherein the peripheral frame forms a continuous edge around the planar section.
17. A display unit as claimed in any preceding claim wherein the unit comprises two or more planar sections wherein at least two planar sections are angled relative to each other and wherein the peripheral frame is continuous about all the planar sections.
18. A display unit as claimed in claim 17 comprising two adjacent straight extruded sections of the peripheral frame which are mitred where the two respective planar sections meet.
19. A display unit as claimed in any preceding claim comprising a plurality of components of different types to be housed in and supported by said peripheral frame and a plurality of different types of mounting arranged to engage with the channel engaging members in appropriate channels and at appropriate portions along the channels to permit the different component types to be correctly located.
20. A display unit as claimed in any preceding claim further comprising a plurality of internal frame members for supporting one or more display panels or other components within the peripheral frame, each internal frame member being arranged to be supported by and retained in place by the peripheral frame and arranged to engage, via appropriate mounting, with the channels in the peripheral frame.
21. A display unit as claimed in claim 20 wherein the internal frame members are extruded and have extruded channels having the same cross section profile as the extruded channels in the straight extruded sections of the peripheral frame.

22. A display unit as claimed in any preceding claim comprising a plurality of different types of components to be mounted in the display unit and a plurality of identical mountings arranged to engage with the channel engaging members to provide mounting for a component for the components, wherein identical mountings may be used to mount
5 different types of components to the peripheral frame.

23. A display unit system comprising a number of identical display panels, straight extruded sections, corner sections and other sets of identical components arranged to be assembled into different display unit configurations, each in accordance with any
10 preceding claim.

24. A display unit substantially as hereinbefore described with reference to and/or as illustrated in one or more of the accompanying drawings.