

second deco panel 160' is inserted into the combination hole 118' formed inside the side walls 110b and 120b, thereby being fixed to the upper and lower housings 110 and 120.

[0188] The support pin 118 formed at the upper surface 112 of the lower housing 110 is inserted into the through hole which is formed at the hooking piece 162 formed at the second deco panel 160', and supports the second deco panel 160'.

[0189] A through hole 165 where the volume dial 194, the output terminal 195 and the converting lever 197 are installed is formed correspondingly at the first deco panel 160.

[0190] With reference to FIG. 3, a rear plate 170 is installed at the cut-out portion 110d forming the rear side of the base unit 100.

[0191] A plurality of through holes 172 are formed at the rear plate 170 in order to expose the terminals 144 and 144' installed at the main board 140.

[0192] A shield plate 173 is provided at one side of the rear plate 170. The shield plate 173 is positioned at the upper cut-out portion 129 and successively installed with the upper surface 122 of the upper housing 120.

[0193] With reference to FIG. 2, the rear plate 170 is engaged with the rear side of the upper housing 120 by a screw, for which the rear plate 170 includes a plurality of engaging holes 174.

[0194] A pack hooking groove 175 is formed at both ends of the lower surface of the rear plate 170, in order to fix the battery pack together with the pack mounting portion 115. The rear plate 170 forms the rear side of the base unit 100, as shown in FIG. 17.

[0195] The construction of the display unit 200 installed at the rear end of the base unit 100, and rotatable in a predetermined angle will now be described with reference to FIG. 4.

[0196] The display unit 200 is installed at the hinge protrusion portion 128 formed at the rear end of the base unit 100 so as to be rotatable by the hinge assembly 300 and the hinge shaft 223. The front surface of the display 200 is tightly closed to the upper surface 122 of the upper housing 120 constructing the upper surface of the base unit 100, or as shown in FIG. 1, is folded and opened with a certain angle against the upper surface 122.

[0197] The display unit 200 includes a cover 210 and a front frame 220.

[0198] A front wall 210a is formed bent at the front end of an upper surface 212 forming the surface of the cover 210. As shown in FIG. 1, the front wall 210a is bent at the front end of the upper surface 212 so as to form a portion of the front surface of the display unit 200.

[0199] A side wall 210b is formed at both sides of the front wall 210a. A connection portion between the front wall 210a and the side wall 210b is formed as a curved face with a certain curvature. The side wall 210b forms a portion of both faces of the display unit 200. A plurality of engaging holes 211 are formed at the side wall 210b for engagement with the front frame 220.

[0200] A rear wall 210c is formed at the rear end of the upper surface 212. The rear wall 210c is not connected with the side wall 210b. A plurality of engaging holes 211 are formed at the rear wall 210c for engagement with the front frame 220. The portion where the rear wall 210c is formed is positioned between the hinge protrusion portion 128, and an interference avoiding portion 214 is formed at both ends of the rear wall 210c to avoid interference with the hinge protrusion portion 128. A hinge through hole 216 is formed at the interference avoiding portion 214.

[0201] The front frame 220 forms an outer appearance of the display unit 200, together with the cover 210. A front wall 220a is formed at the front end of the front frame 220.

[0202] As shown in FIG. 1, the front wall 220a forms the front surface of the display unit 200 together with the front wall 210a of the cover 210. A side wall 220b is formed at both sides of the front frame 220 by being connected with the front wall 220a. The side wall 220b also forms the both sides of the display unit 200 together with the side wall 210b of the cover 210.

[0203] A rear wall 220c is formed at a rear end of the front frame 220. The rear wall 220c is formed with a length corresponding to the rear wall 210c of the cover 210, and a hinge shaft 223 inserted into the hinge protrusion portion 128 is formed at one side thereof and a hinge hole 223' that the hinge assembly 300 penetrates is formed at the other side thereof. The hinge shaft 223 is protruded to a portion corresponding to the interference avoiding portion 214, and the hinge hole 223' is opened toward the interference avoiding portion 214.

[0204] An LCD window 221 is formed at the front frame 220. The LCD window 221 occupies most area of the front frame 220 and is formed penetrating it forward-backwardly. A window fence 222 is formed surrounding the inside of the LCD window 220.

[0205] As shown in FIG. 4, the window fence 222 is formed at a position that retreats a bit from the marginal portion of the LCD window 221. The window fence 222 is not connected wholly as one body and is separated at some section.

[0206] A hooking hook 222h is formed at the portion formed as the window fence 222 is separated. The hooking hook 222h serves to hook and fix the LCD assembly 240. A connection slot 222' is formed at one side of the window fence 222, at which a connection piece 267 (to be described) is mounted. A plurality of board slots 222s are formed at the window fence 222 in order to fix the first and second LCD boards 260 and 270.

[0207] With reference to FIG. 4, a speaker grill 224 is formed at both sides of a lower end of the LCD window 221 of the front frame 220. The speaker grill 224 transmits a sound generated from a speaker 250 to the front side of the display unit 200. A guide pin 224' is formed at the peripheral corners of the speaker grill 224.

[0208] A cover engaging boss 226 is formed at the side wall 220b and the rear wall 220c of the front frame 220 in order to engage the cover 210 with the front frame 220. A screw is engaged penetrating the engage hole 221 of the cover 210 at the cover engaging boss 225.