[0023]

In the present embodiment, the plug 11 is configured as a retractable plug that can protrude from the frame 13 and be stored in the frame 13. It should be noted, however, that the plug 11 can also be configured as a fixed plug that remains protruding from the frame 13. The following description will discuss the power supply module 10 in which the plug 11 is protruding from the frame 13. The plug 11 protrudes from the frame 13 in the positive z-axis direction. The positive z-axis direction is an example of a first direction.

[0024]

(Pair of electrodes)

The pair of electrodes 12 includes a first electrode 121 and a second electrode 122. The first electrode 121 and the second electrode 122 are each configured by a narrow metal plate.

[0025]

As illustrated in Figs. 4, 5, and 6, the first electrode 121 is obtained by cutting out an L-shaped piece from a metal plate and bending an end part 121a, which is one end part, and a first flat spring 121c, which is the other end part. A part of the first ~~flat spring~~electrode 121~~c~~ other than the end part 121a and the first flat spring 121c will be referred to as an "intermediate part 121b". The part corresponding to

121c are electrically communicated outside the frame 13 and that the second terminal 312 and the second flat spring 122c are electrically communicated outside the frame 13.

[0097]

In the power supply module 10, the first flat spring 121c and the second ~~electrode~~flat spring 122c include the first regions 121c1 and 122c1 respectively, and the second frame 132 is further provided with the supports 1311 and 1312 that are provided along the back surfaces of the first regions 121c1 and 122c1.

[0098]

According to the configuration, the second frame 132 is further provided with the supports 1311 and 1312. This prevents the first flat spring 121c and the second flat spring 122c from being excessively bent when the substrate 30 is inserted between (i) the first flat spring 121c and the second flat spring 122c and (ii) the holding parts 132a, 132b, and 132c. Therefore, the first flat spring 121c and the second flat spring 122c can each be pressed firmly by the input port 31.

[0099]

The frame 13 includes the first frame 131 and the second frame 132. The plug 11, the pair of electrodes 12 (first electrode 121, second electrode 122), and the second frame 132 can be configured as a power supply module to

that constitutes part of the housing. In the substrate selection step, a substrate 30 is selected from substrates 30, 30A, 30B, 30C, 30D, 30E, and 30F. In the substrate attachment step, the substrate 30 is attached to the frame 13. In the substrate storing step, the substrate 30 is stored in the inner space of the housing that is constituted by the housing 20 and the first frame 131. In the welding step, welding is performed at the joint part 1_J while causing the opening of the first frame 131 and the opening of the housing 20 to abut on each other.

[0136]

As described above, in the present production method, the first frames 131, 131A, 131B, 131C, 131D, 131E, and 131F, the housings 20, 20A, 20B, 20C, 20D, 20E, and 20F, and the substrates 30, 30A, 30B, 30C, 30D, 30E, and 30F are each a component that is unique to each model, while the power supply module is a component that is common to the AC adapters 1, 1A, 1B, 1C, 1D, 1E, and 1F.

[0137]

As described above with reference to Figs. 9 and 10, the AC adapter 1D and the AC adapter 1E use the first frame 131D and the housing 20D (or the first frame 131E and the housing 20E) as common components, and the AC adapter 1B and the AC adapter 1F use the first frame 131B and the housing 20B (or the first frame 131F and the housing 20F)