

## ELECTRONIC EQUIPMENT AND NAVIGATION APPARATUS

### BACKGROUND OF THE INVENTION

#### [0001] 1. Field of the Invention

[0002] The present invention relates to an electronic equipment including a display part. The present invention also relates to a navigation apparatus for setting an arbitrary position on a displayed map image as a point relating to a navigation.

#### [0003] 2. Description of the Related Art

[0004] In a general vehicle-mounted acoustic apparatus of a conventional electronic equipment that includes a display part, symbols showing objects to be controlled such as an icon showing a radio, an icon showing a CD player and an icon showing a title of music of a CD are displayed on a screen of the display part. In the vehicle-mounted acoustic apparatus, symbols showing details of the control such as an icon showing repeat reproduction and an icon showing an adjustment mode are also displayed on the screen of the display part. In order to select an arbitrary icon on the screen, a cursor switch for moving a cursor displayed on the screen and an execution switch for selecting a control object by an icon of a cursor position and for selecting details of the control by an icon of a cursor position are also provided in the vehicle-mounted acoustic apparatus. In an operating procedure of such a vehicle-mounted acoustic apparatus, for example, when a user intends to repeatedly reproduce music of a CD, an icon of a CD to be reproduced is selected by a depression operation of the cursor switch and the CD corresponding to the icon is selected by a depression operation of the execution switch. Next, an icon of repeat reproduction is selected by a depression operation of the cursor switch and the repeat reproduction is selected by a depression operation of the execution switch.

[0005] Incidentally, in the conventional electronic equipment including the display part without being limited to such vehicle-mounted acoustic apparatus described above, it is configured so as to perform desired control by a switch operation with respect to a symbol displayed on the screen of the display part. There exist an enormous number of references describing such a configuration and is quite difficult to disclose a specific reference as the most proper prior art reference. Therefore, the operating procedure of the vehicle-mounted acoustic apparatus conventionally well known among those skilled in the art as described above is taken as one example of a conventional art relating to the present invention.

[0006] Also, an operating procedure of a conventional navigation apparatus capable of setting an arbitrary position on a displayed map image as a point relating to navigation is approximately similar to that of the case of the conventional vehicle-mounted acoustic apparatus. For example, when an arbitrary point is registered as a point relating to navigation, a cursor is first displayed on a displayed map image by a touch operation of a registration switch for setting point registration. Next, the cursor is moved in an arbitrary position of the map by a depression operation of the cursor switch and an actual point corresponding to the cursor position at that time is set as a registration point by a depression operation of the execution switch.

[0007] Incidentally, a configuration of such a conventional navigation apparatus is quite generally configured and there exist an enormous number of references describing such a configuration and it is quite difficult to disclose a specific reference as the most proper prior art reference. Therefore, the operating procedure of the general navigation apparatus well known already among those skilled in the art as described above is taken as one example of the conventional art relating to the present invention.

[0008] In the conventional electronic equipment described above, there was a problem that in order to execute desired details of the control with respect to a desired control object, it is necessary to perform troublesome switch operations many times and an excessive burden on a user is forced. As a result, for example, in the vehicle-mounted acoustic apparatus used as one example of the conventional electronic equipment, there was a problem that troublesome switch operations must be performed many times with respect to a user particularly in driving when a sound source device such as a radio or a CD player device is selected or a desired CD is selected to perform repeat reproduction.

[0009] Also, in the conventional navigation apparatus described above, in a manner similar to the case of the conventional electronic equipment, there was a problem that, for example, in order to set a desired position on a displayed map image as a registration point, it is necessary to perform troublesome switch operations many times and an excessive burden on a user is forced.

### SUMMARY OF THE INVENTION

[0010] It is therefore an object of the invention is to provide an electronic equipment capable of easily executing desired details of the control with respect to a desired control object without performing a troublesome switch operation.

[0011] Another object of the invention is to provide a navigation apparatus capable of easily setting a desired position on a displayed map image as a point relating to navigation without performing a troublesome switch operation.

[0012] In order to achieve the object, according to one aspect of the invention, there is provided an electronic equipment including: a display unit configured to display a first symbol indicating a control object and a second symbol indicating details of a control in a predetermined display position, respectively; a selection unit configured to select at least one of the first and the second symbols displayed on the display unit in response to an instruction operation; a movement unit configured to move the display position of the selected symbol in response to a movement operation; and a control unit configured to execute the details of the control corresponding to the second symbol with respect to the control object corresponding to the first symbol in response to an execution operation.

[0013] In order to achieve the object, according to another aspect of the invention, there is provided a navigation apparatus including: a display unit configured to display a map image and a symbol relating to navigation in a predetermined display position, respectively; a selection unit configured to select the symbol displayed on the display unit in response to an instruction operation;

[0014] a movement unit configured to move the display position of the selected symbol in response to a