

electronic paper 55, the upper left point 61 of the area 60 is pushed by the writing material 41. As pushed the transmissive sheet 44, the writing material 14 drags to the lower right point 62. In result, the display unit 121 displays a rectangular area 60 having a diagonal line connecting the points 61 and 62. After the writing material 14 is detached from the point 62, the area 60 is determined. The position data of pixels at the points 61 and 62 is transmitted to the display light control means 23.

[0194] In the under mentioned explanation, an area positioned on the upper side of this specified area 60 is called "an area 70" while that on the under side is "an area 71".

[0195] The display light control means 23, at the time of recognizing the area 60, refers to the character storage means 55-2 corresponding to the area 60, and obtains the character data included in the area 60.

[0196] Next, if the user select "delete" from the editing menu displayed on the electronic paper 55, the editing means comprising the display light control means 23 deletes the character data corresponding to the area 60 (the area M60 in FIG. 26(b)) from the character storage means 55-2.

[0197] Though the specific data in the character storage means 55-2 is deleted according to the above procedure, the following processing may be executed after the delete processing.

[0198] That is to say, when the deleted area 60 is left as a blank space, the editing means 65 may insert line feed codes as much as lines corresponding to the deleted area 60 after the character data corresponding to the area 70 stored in the storage means 55-2. In addition, the blank data is inserted as much as the area corresponding to the deleted area 60 after the image data corresponding to the area 70 stored in the storage means 55-3. The blank data is the one inserted in case where nothing is displayed. In compliance with a type of the image data, there is not always necessary to insert data.

[0199] If the area 60 is deleted according to the above processing, the area 60 displays nothing. This function is valid where a specific electronic paper is detached and handed over to the other user.

[0200] And when the succeeding character data is moved to the deleted area 60, the editing means 65 places the character data corresponding to the area 71 (the area M71 in FIG. 26(b)) after the character data corresponding to the area 70 (the area M70 in FIG. 26(b)) stored in the storage means 55-2. Thereby, the character data corresponding to the area 71 (the area M71 in FIG. 26(b)) moves to the upper part.

[0201] Next, the editing means 65 copies (deletes) the character data as much as the character data corresponding to the deleted area 60 from the top of the character storage means 56-2 of the electronic paper 56, and then adds said data to the rear of the character data (the area M72 in FIG. 26(b)) stored in the character storage means 55-2 of the electronic paper 55.

[0202] According to the above processing, in the character storage 55-2 of the electronic paper 55, the character data corresponding to the area 60 (the area M60 in FIG. 26(b)) is deleted and then the consecutive character data (the area M72 in FIG. 26(b)) is added from the other electronic paper.

[0203] Likewise, in the character storage means 56-2 of the electronic paper 56, the same processing is performed regarding the deleted area (area M72 in FIG. 26(b)), thereby the character storage means is updated in a plurality of electronic paper. In addition, the same processing is performed on the image data; thereby the image data can be moved.

[0204] After the contents of respective character storage means 42 and image storage means 43 are updated, the display light control means 23 sends to the display driver 122 respective contents of the character storage means 42 and the image storage means 43 together with the position data in order to reflect the updated contents on the displaying.

[0205] According to the above configuration, it is possible to move the succeeding character data and image data to the deleted area 60, and perform such processing on a plurality of electronic papers. And it is possible to make the processing easy. For instance, the cover 102 is provided with the character storage means 42 and the image storage means 43. Regarding these storages the moving (editing) is performed. And then the displaying on the electronic paper is to be updated. Thereby there is no need to execute the moving for the independent storage means in each electronic paper.

[0206] In case of editing data in the memory card 41 in direct, it is also possible to make the processing easy. However, in this case, when the electronic paper is detached, the character data and the image data are lost due to no independent storage means per electronic paper.

[0207] Besides, since the delete processing of the character data is separated from that of the image data (that is to say, the function is provided to individual), it is possible to delete only either of the character data or the image data.

[0208] According to FIG. 25, FIG. 27(a), FIG. 27(b), FIG. 28 (a) and FIG. 28(b), the moving (editing) of the character data and the image data on the electronic paper is explained here.

[0209] FIG. 27(a) shows the electronic paper file 100 simply. The electronic paper file 100 is also provided with three sheets of electronic papers 54 to 56. Like the delete processing, the respective display units display the character data and the image data corresponding to the consecutive pages. It is assumed that a page feed code 79, which represents turning the page of the character data and the image data, is inserted to the end of the electronic paper 55. FIG. 27(b) is an image diagram of the inside of the character storage means 56-2 shown in the FIG. 27(a).

[0210] The user specifies the area 80 of the character data to be moved. The specifying is carried out by pushing the point 81 of the upper left of the area 80 and the point 82 of the lower right of the area 80 like the above delete processing, thereby the position data of pixels at the points 81 and 82 is sent to the display light control means 23.

[0211] The display light control means 23, at the time of recognizing the area 80, refers to the character storage means 55-2 corresponding to the area 80, and obtains the character data included in the area 80.

[0212] Next, if the user select "move" from the editing menu displayed on the electronic paper 55, the editing means 65 comprising the display light control means 23