United States Patent [19]

Hirose et al.

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[54] **CHARACTER RECOGNITION APPARATUS WITH INPUTTING FUNCTION OF RULED LINES**

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[51] **Int. Cl.**[5] **G06K 9/22**

[52] **U.S. Cl.** **382/13**; 340/706; 382/59; 382/61; 395/105

[58] **Field of Search** 340/706, 707, 710; 178/18; 382/13, 59, 61, 60; 364/518, 521; 358/401, 448, 451, 452, 453, 462

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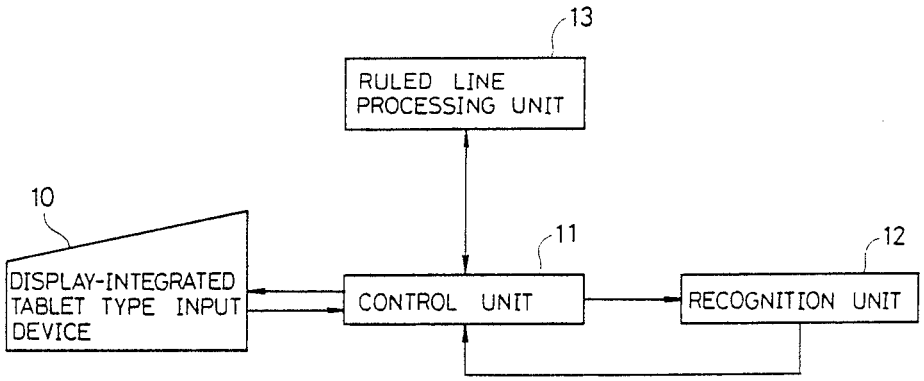
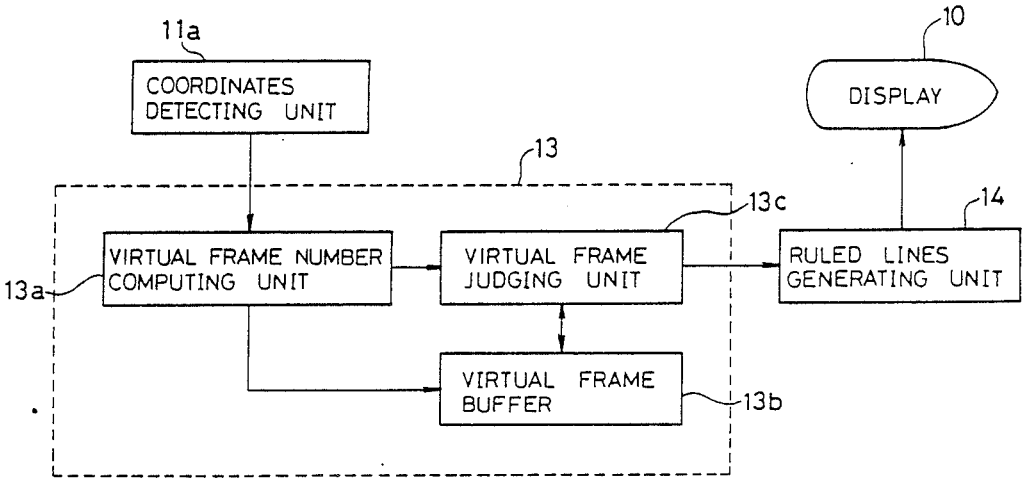
[57] **ABSTRACT**

A character recognition apparatus includes an inputting function of ruled lines. The apparatus is equipped with a tablet type input device integrating a tablet type input device with a display panel. The apparatus includes a control unit that recognizes information inputted in an input panel by a stylus pen. There is a memory unit for storing the recognized information. The control unit sets a grating-like virtual frame in the input panel. The frame set in the input panel is a virtual boarder obtained by calculation and does not appear on a display panel.

14 Claims, 9 Drawing Sheets