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# United States Patent [19] Hirayama

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## [54] INFORMATION PROCESSING APPARATUS

[75] Inventor: **Tomoshi Hirayama**, Tokyo, Japan  
[73] Assignee: **Sony Corporation**, Tokyo, Japan

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### Related U.S. Application Data

[63] Continuation of application No. 07/642,994, Jan. 18, 1991.

### [30] Foreign Application Priority Data

Jan. 19, 1990 [JP] Japan ..... 2-009626

[51] **Int. Cl.<sup>7</sup>** ..... **G09G 5/00**

[52] **U.S. Cl.** ..... **345/179; 345/339; 345/348; 345/350**

[58] **Field of Search** ..... 340/706, 712, 340/707, 721, 720, 723, 798, 799; 395/145-149, 159; 178/18, 19; 345/156, 173, 179, 182, 112, 185, 901, 146, 121, 122, 125, 330, 340, 348, 350

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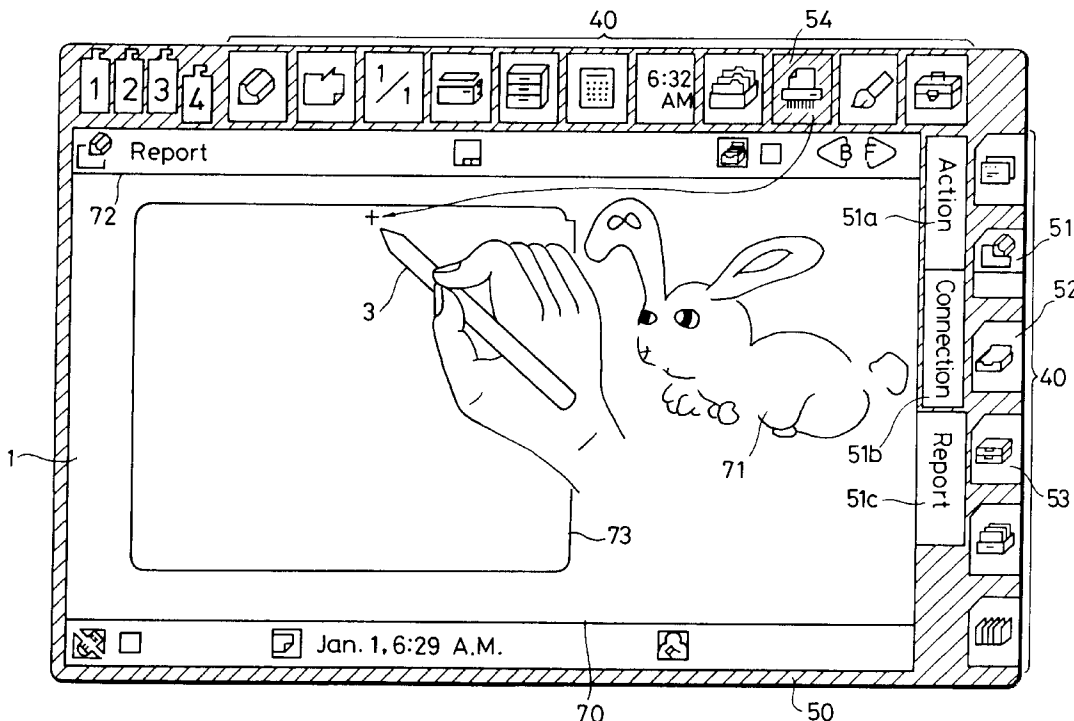
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### [57] ABSTRACT

An information processing apparatus, typically incorporated in a small-size, portable computerized electronic data storage device, has a display unit combined with a tablet which coacts with a stylus to instruct a CPU to process stored information in different modes. When desired pages of information are to be copied or deleted, a displayed icon for a copying or deleting process is touched by the stylus to display a corresponding window on the display unit. The range of pages to be copied or deleted is specified in the displayed window using the stylus. While the desired pages are being copied or deleted, a moving image indicating a visual representation of a copier or a shredder is also displayed.

**11 Claims, 35 Drawing Sheets**



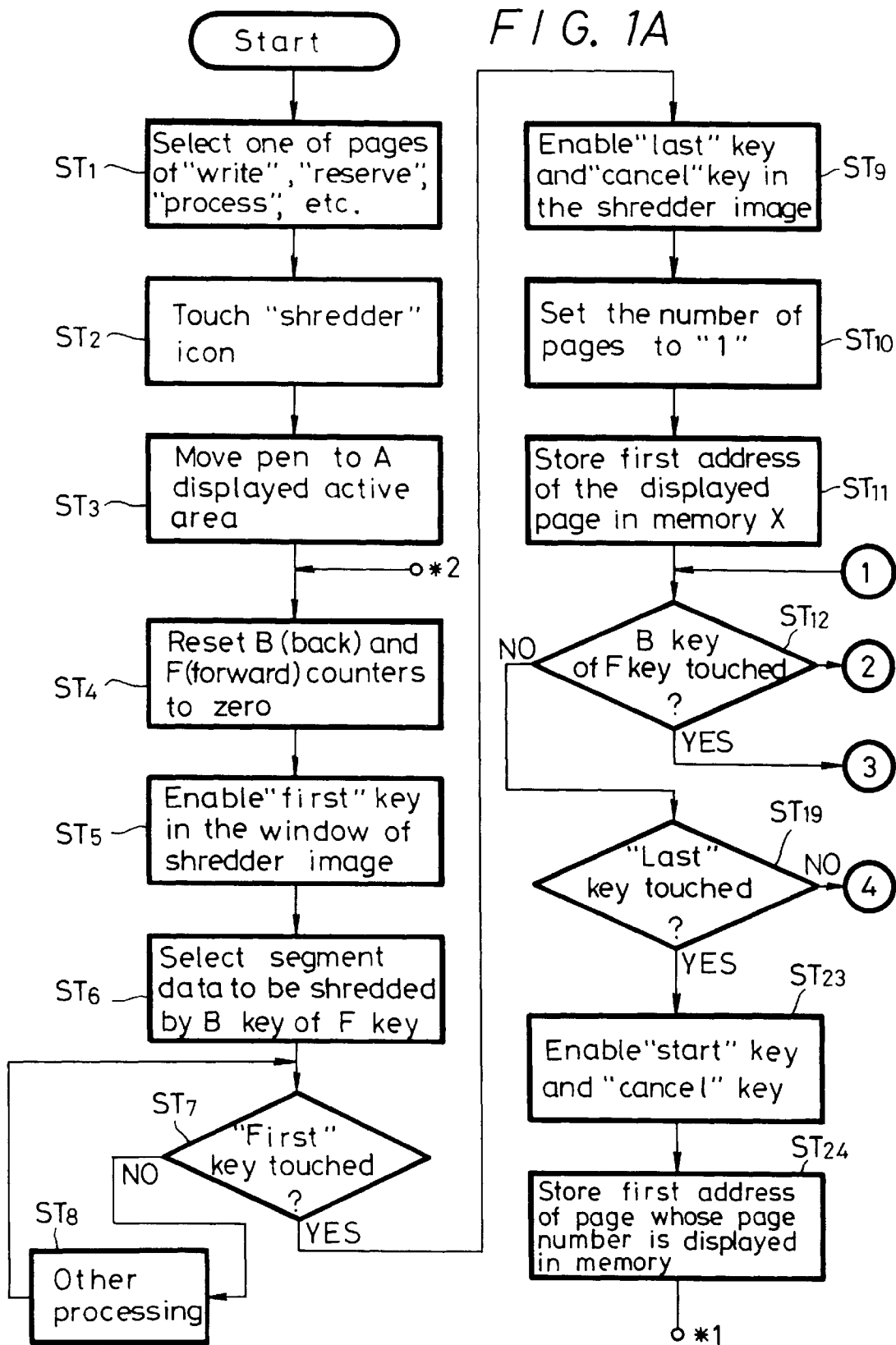


FIG. 1B

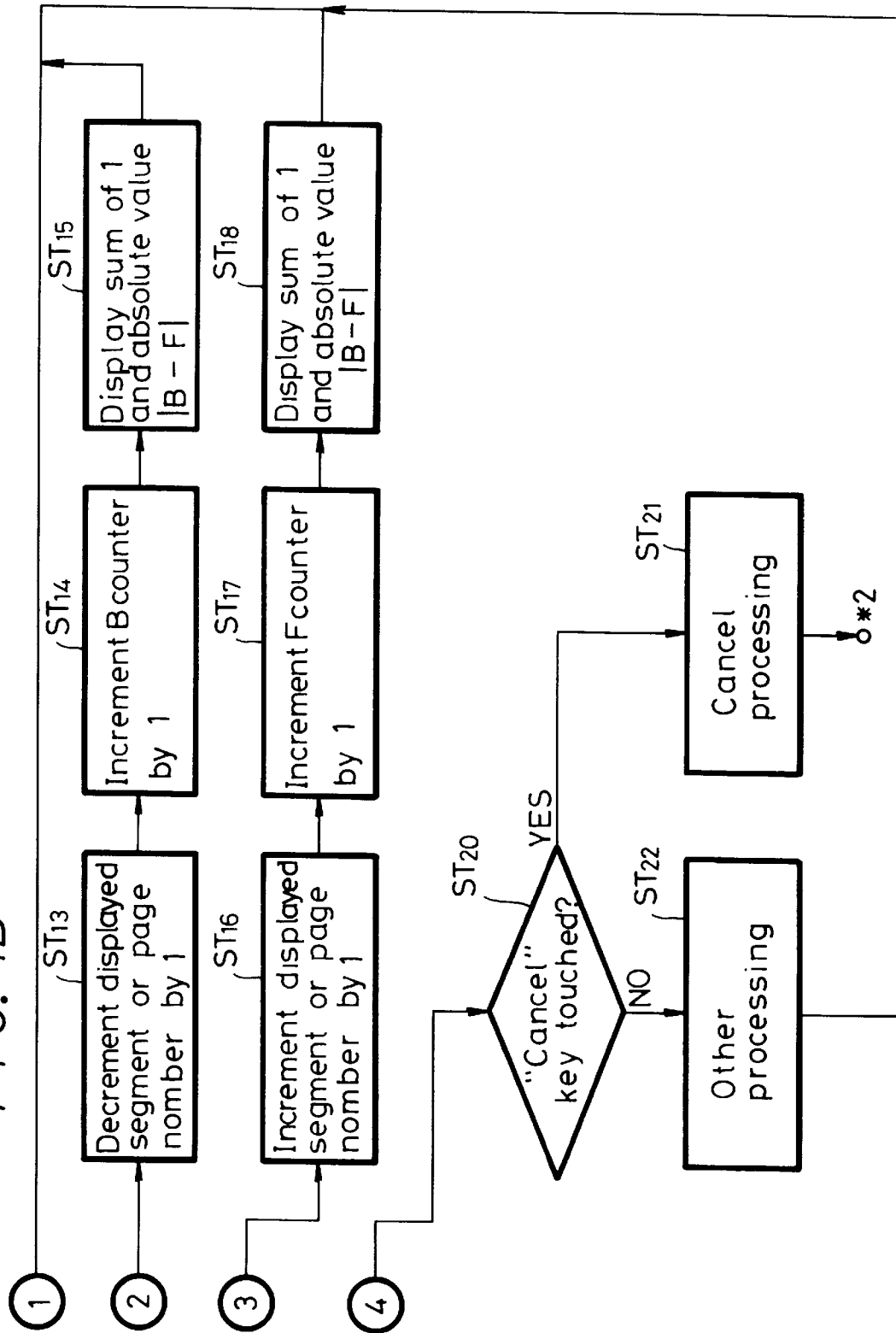
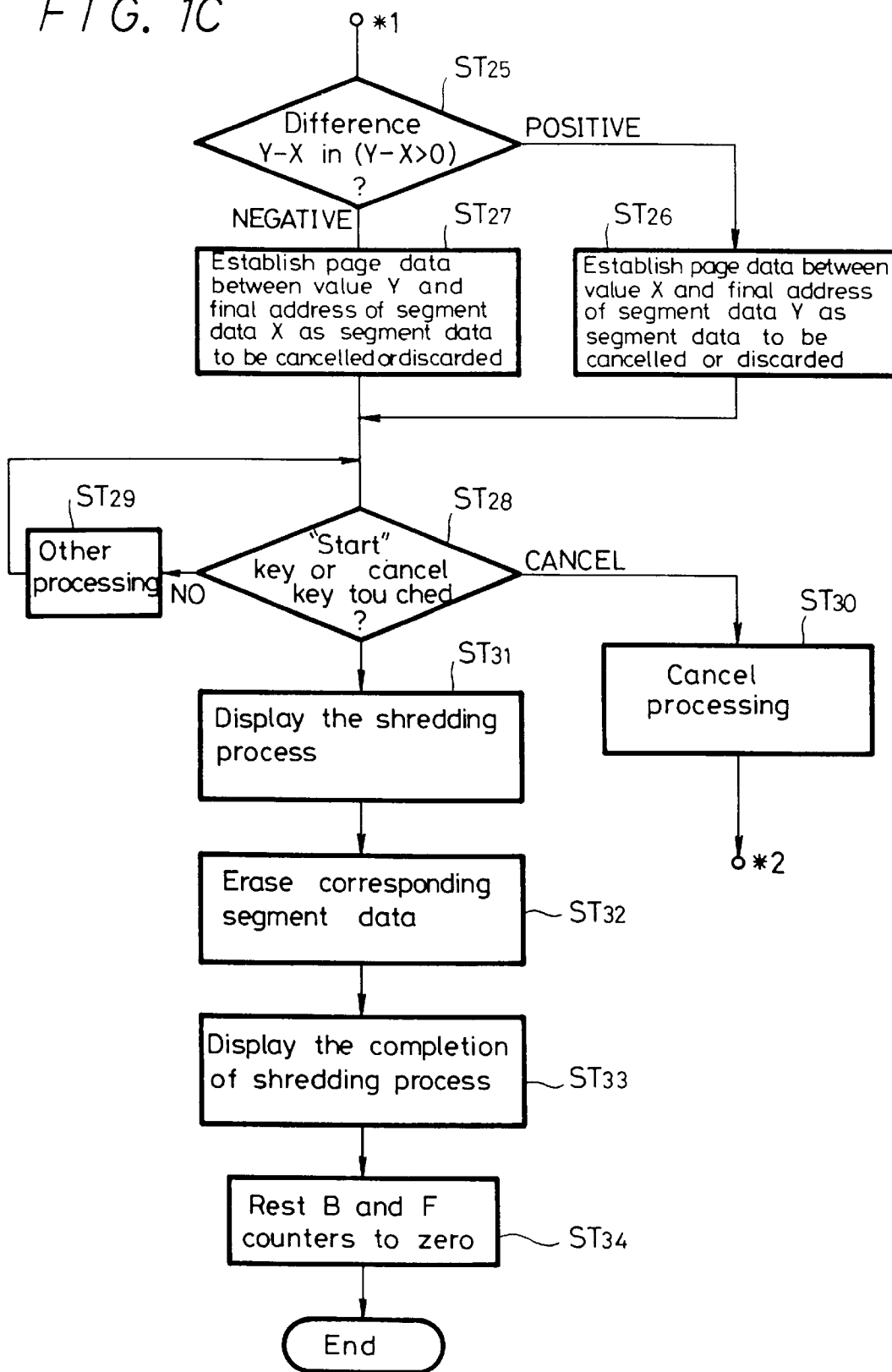
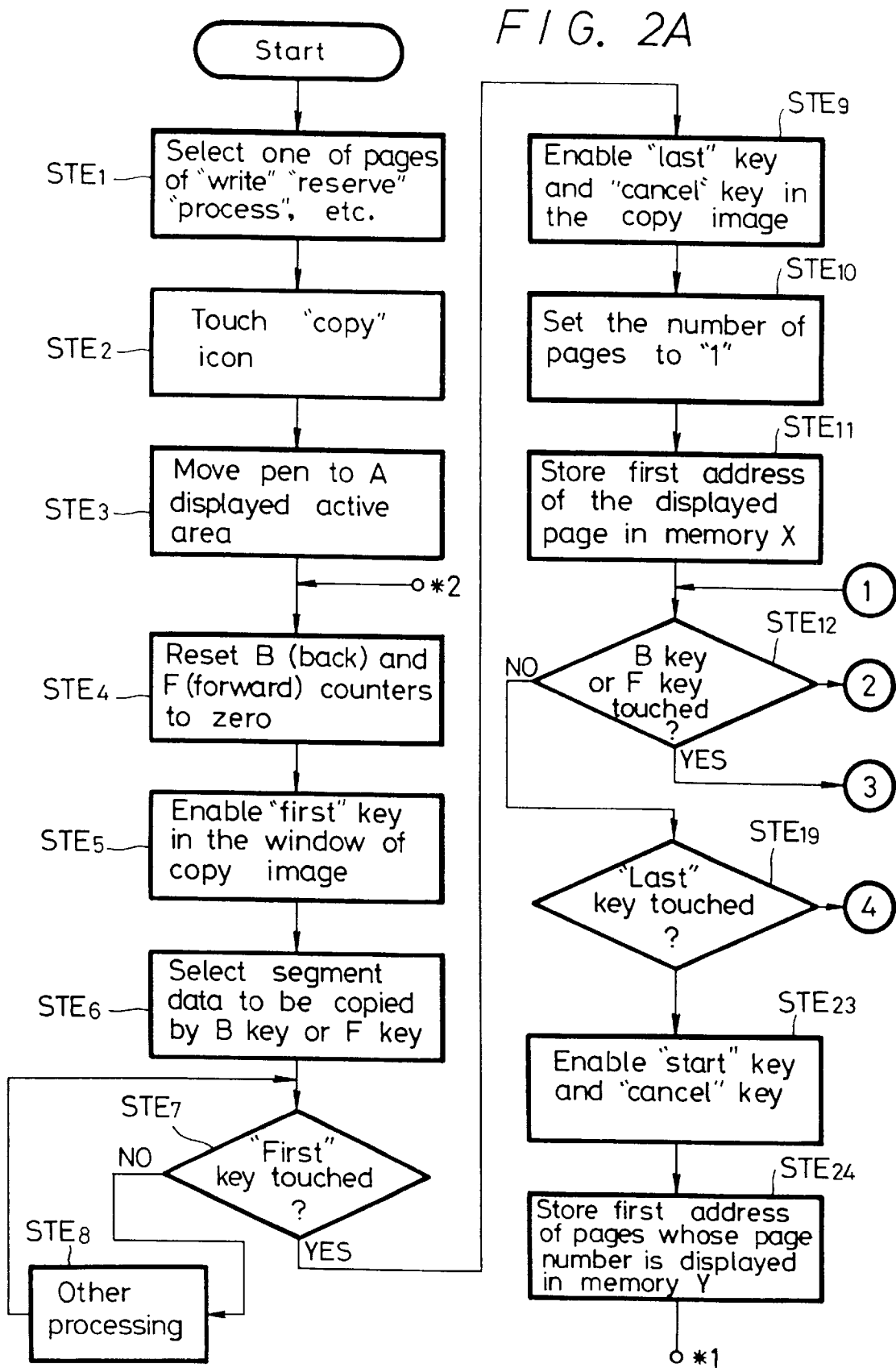


FIG. 1C





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