



US005772440A

United States Patent [19] Ida

[11] Patent Number: **5,772,440**
[45] Date of Patent: **Jun. 30, 1998**

[54] **BINARY INFORMATION DISPLAY DEVICE**

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[57] ABSTRACT

The present invention relates to a compact and precise binary information display device having a simple structure at low cost.

[21] Appl. No.: **537,238**

[22] Filed: **Sep. 29, 1995**

[30] Foreign Application Priority Data

Sep. 30, 1994 [JP] Japan 6-238196

[51] Int. Cl.⁶ **G09B 21/00**

[52] U.S. Cl. **434/114; 340/407.1**

[58] Field of Search 434/114, 113,
434/112; 340/407.1

The device includes a drive mechanism (13) to extrude and retract pins (11) from and into a display surface (12a). The drive mechanism is composed of a linear cam (16) to be moved orthogonal to the axis of the pins (11) and to move the pins (11) in their axial direction. The display device has a linear movement mechanism (17) including a stepper motor (20) for moving the linear cam (16) linearly, a conversion mechanism (21) for converting a rotary motion of a shaft (19) of the stepper motor (20) into a linear motion of the linear cam (16), and a reset mechanism (22) for setting an original position of the stepper motor (20) when the linear cam (16) reaches a reference position. Downsizing of the device is enabled by reducing the dimension thereof in the crosswise direction and the entire device is simplified by eliminating a rotational position detector.

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3 Claims, 2 Drawing Sheets

