



US005548271A

**United States Patent** [19]  
**Tsuchiyama et al.**

[11] **Patent Number:** **5,548,271**  
[45] **Date of Patent:** **Aug. 20, 1996**

[54] **DATA DISPLAY RADIO PAGER**

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[73] Assignee: **NEC Corporation, Japan**

|           |         |               |            |
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[21] Appl. No.: **265,668**

[22] Filed: **Jun. 24, 1994**

[30] **Foreign Application Priority Data**

Jun. 28, 1993 [JP] Japan ..... 5-178529

[51] **Int. Cl.<sup>6</sup>** ..... **H04Q 1/30; G08B 5/22**

[52] **U.S. Cl.** ..... **340/311.1; 340/825.44;**  
**345/102; 368/227**

[58] **Field of Search** ..... 340/311.1, 825.44,  
340/825.45; 345/102, 4; 368/30, 83, 84,  
226, 227, 241, 242

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[57] **ABSTRACT**

In a data display radio pager, light emitting diodes (LEDs) for alerting the user of the pager to an incoming call are disposed in a backlight together with LEDs for backlighting a liquid crystal display (LCD) for message display. The alert LEDs effect an alert via the LCD and flash in a striking color different from the color of light to issue from the backlight LEDs. The radio pager is miniature despite that the LCD and alert LEDs are arranged on the front of the casing of the pager.

**15 Claims, 4 Drawing Sheets**

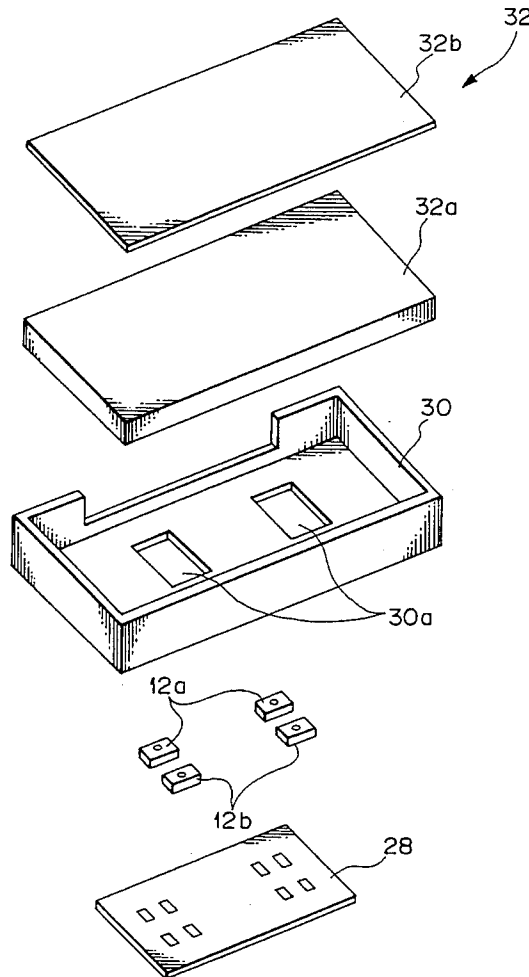


Fig. 1

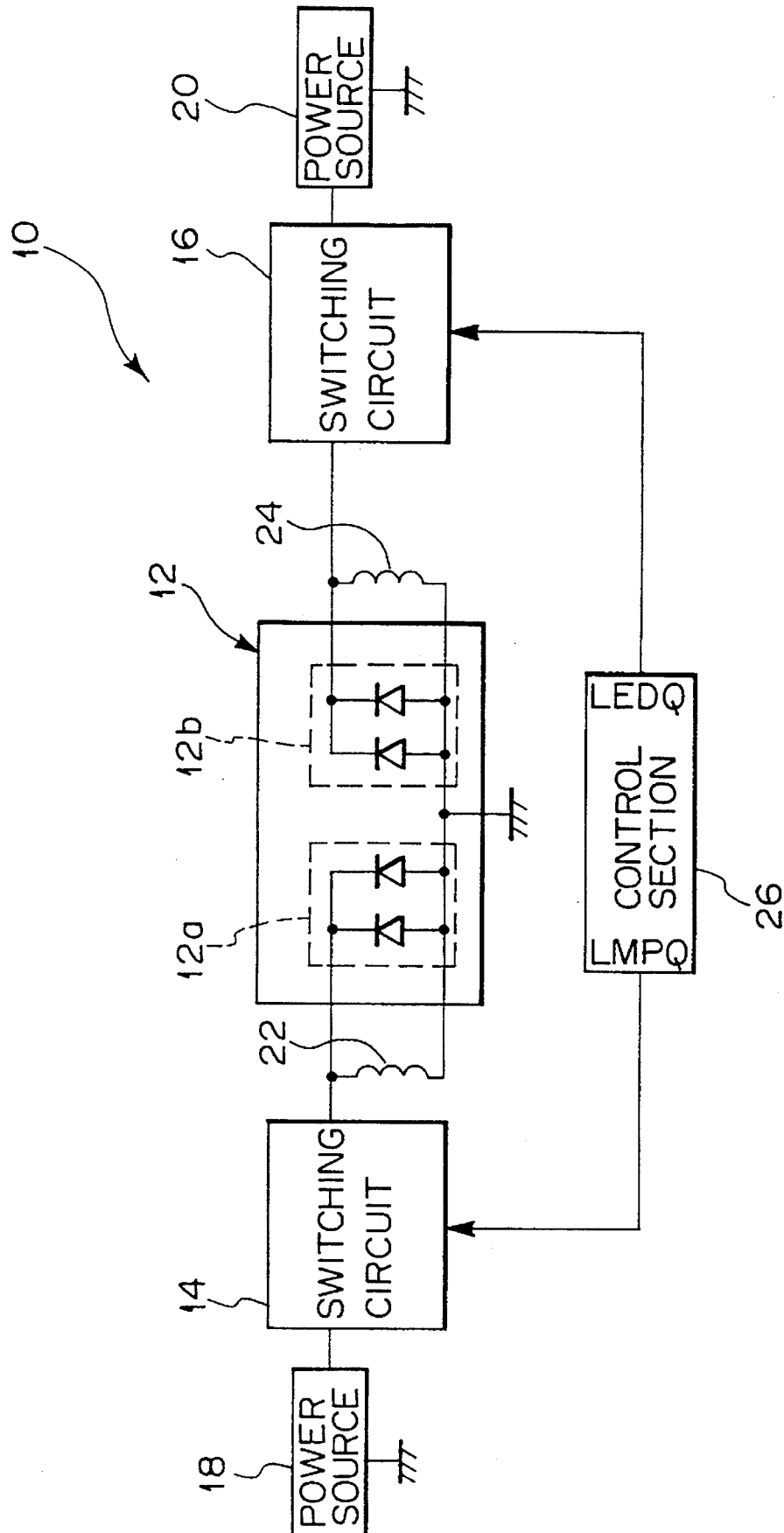


Fig. 2

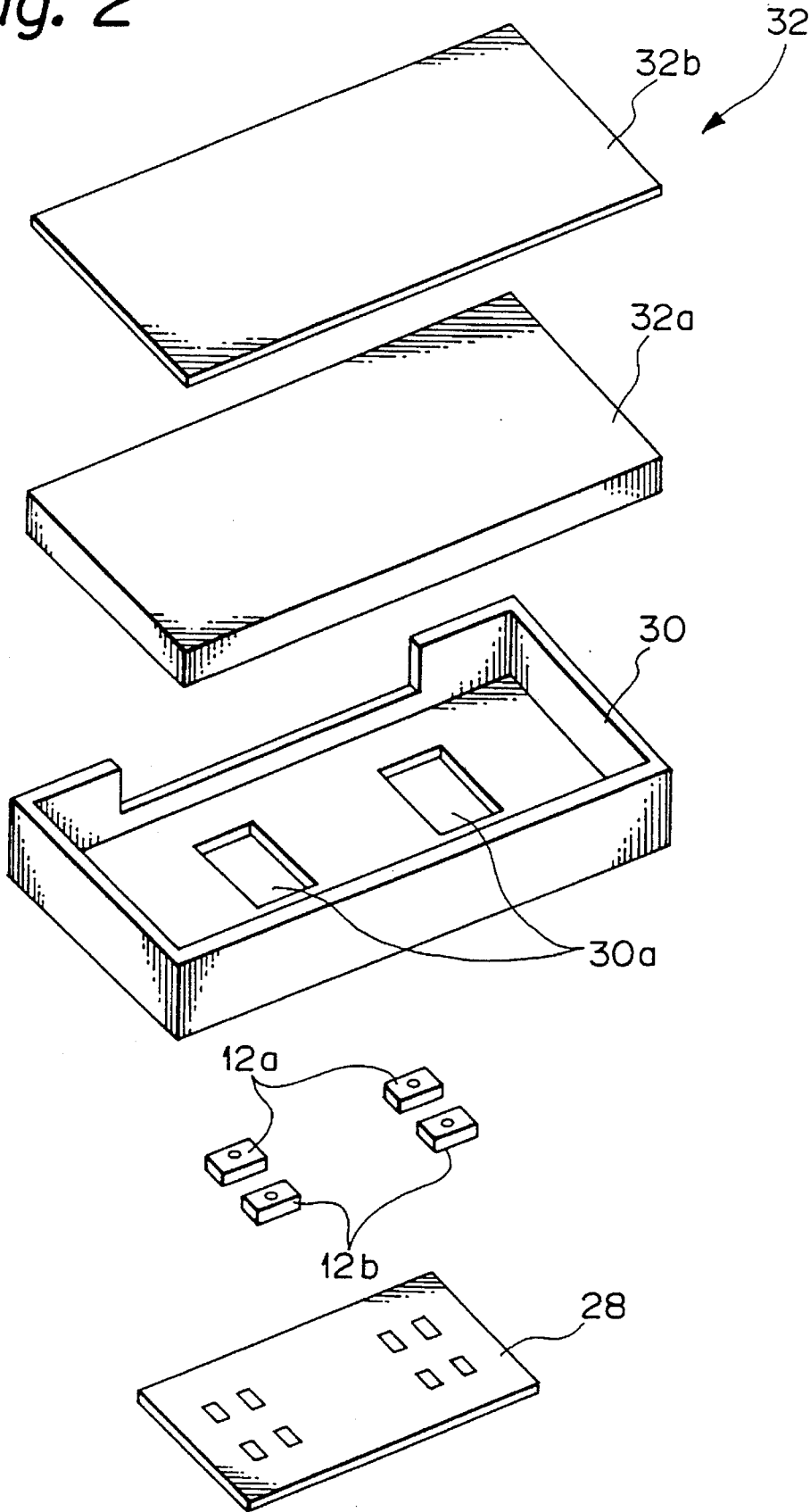


Fig. 3A

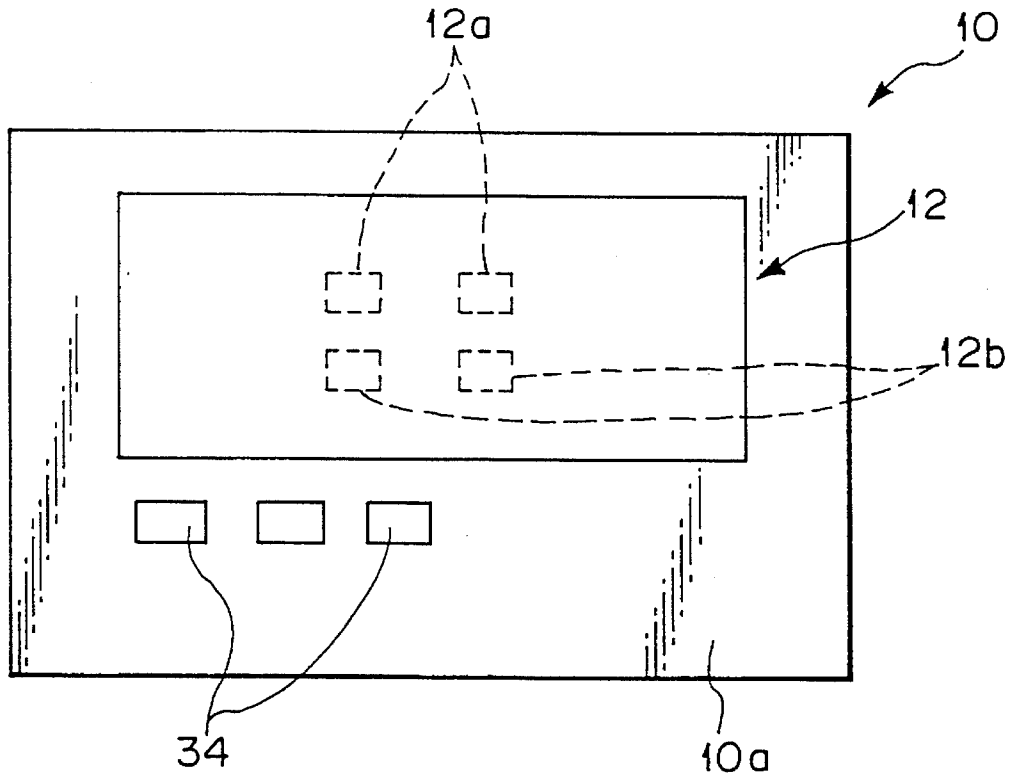


Fig. 3B

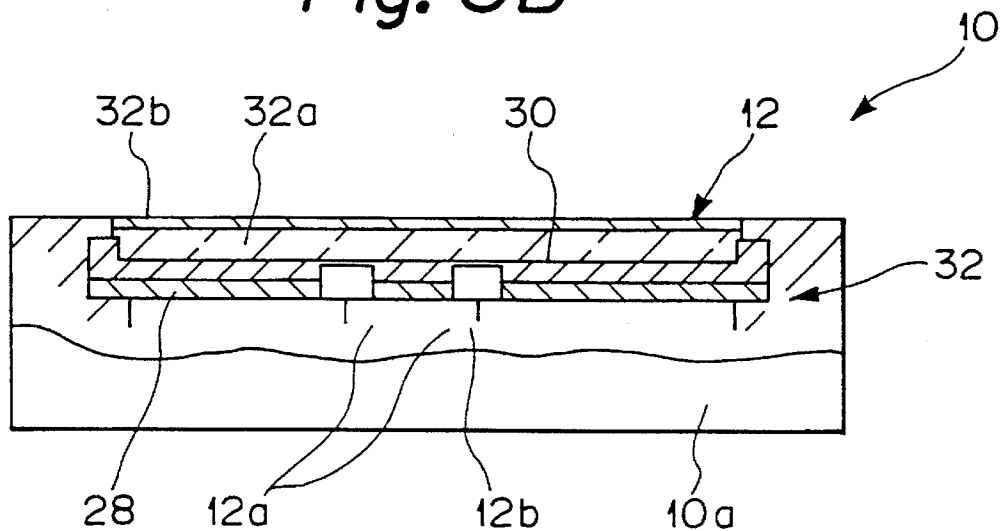
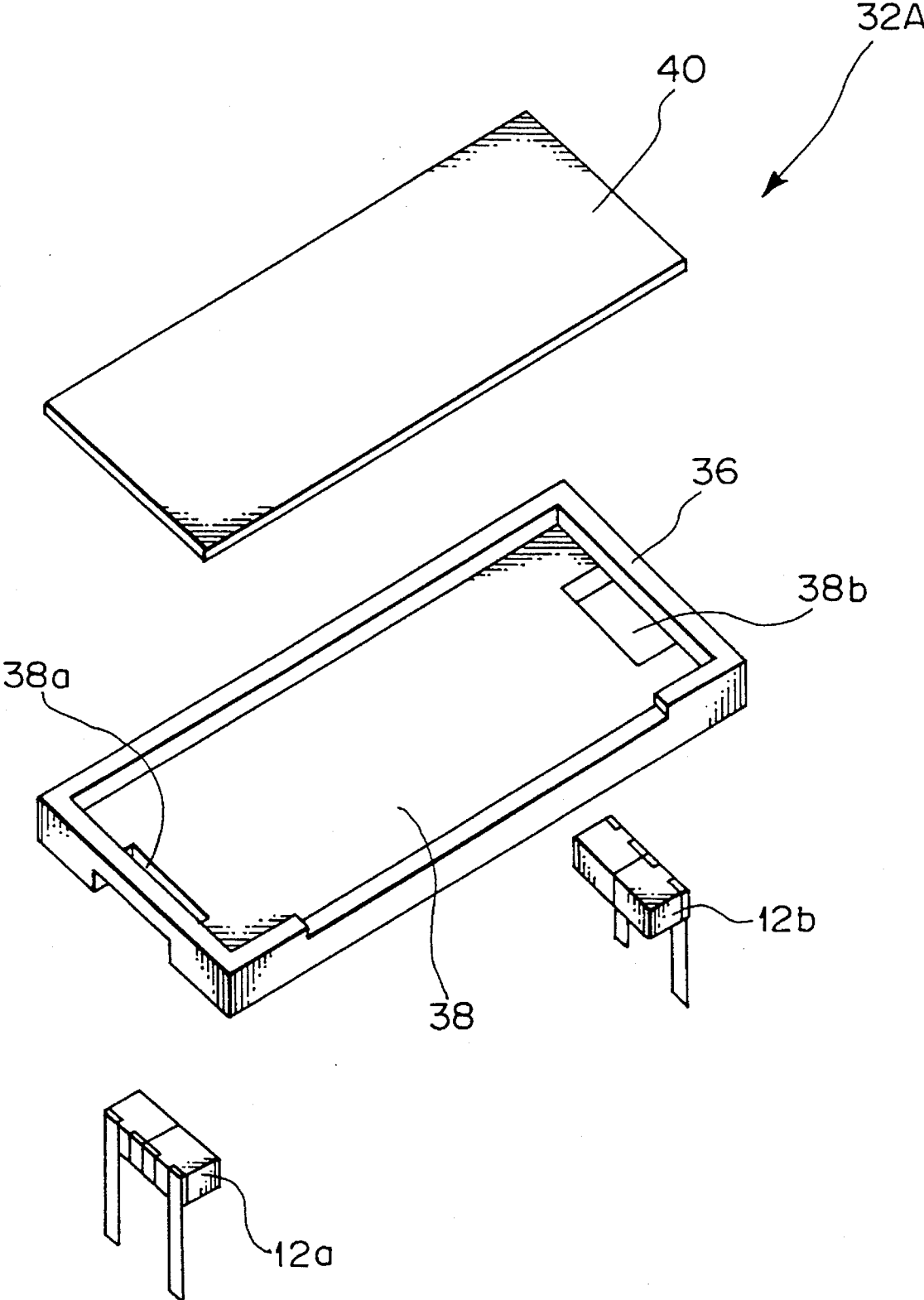


Fig. 4



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