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(54) Title: LAYERED LABEL STRUCTURE WITH TIMER

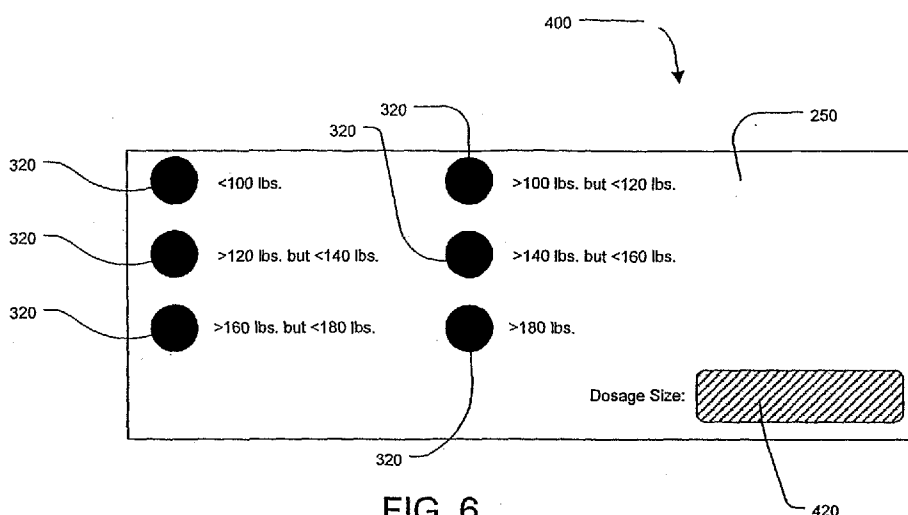


FIG. 6

(57) Abstract: The present invention relates to a thin, layered, variable label structure with built-in electronic functionality. The display and/or other functional elements in the structure may be formed by printing processes. The label structure includes a thin, layered structure with an active display, comprising a base layer and a cover layer of material and a display component situated between the base layer and the cover layer. The display is formed with a layer of electrochromic ink and a pair of spaced apart electrodes. The cover layer includes a window to allow for the layer of electrochromic ink to be visible through the cover layer. The label also is configured to respond to an actuating event by completing an electrical connection between a power source and the pair of spaced apart electrodes of the display component, thereby causing the display to change its appearance. The actuating event may include a variety of occurrences, such as: pressing a switch on the label, introducing a power source to activate the display, and a sensor sensing a condition near the label.



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USPC: 361/761

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 361/761

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,700,692 B2 (Tonar et al.) March 2 2004 See Figures 1-28	1-23
---	US 2003/0048256 A1 March 13 2003 See figure 5	-----
x		24-37

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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