United States Patent [19]

Aufderheide

[11] **Patent Number: 4,562,315**

[45] **Date of Patent: Dec. 31, 1985**

[54] **CAPACITANCE MEMBRANE SWITCH**

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[21] Appl. No.: **652,802**

[22] Filed: **Sep. 20, 1984**

[51] **Int. Cl.**[4] **H03K 17/96**

[52] **U.S. Cl.** ..... **200/5 A**; 200/52 R; 200/DIG. 1; 340/365 C; 361/288

[58] **Field of Search** ..... 200/5 A, 52, DIG. 1, 200/159 R, 264, 307; 361/288, 283, 290; 340/365 C; 400/479.1

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,974,332	8/1976	Abe et al.	340/365 C X
4,295,699	10/1981	DuRocher	200/264 X
4,367,385	1/1983	Frame	340/365 C
4,379,287	4/1983	Tyler et al.	340/365 C
4,400,758	8/1983	Frame	340/365 C X

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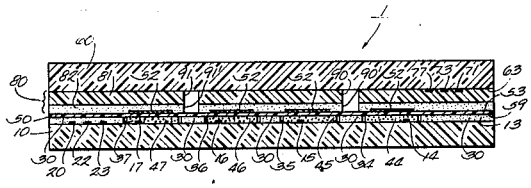
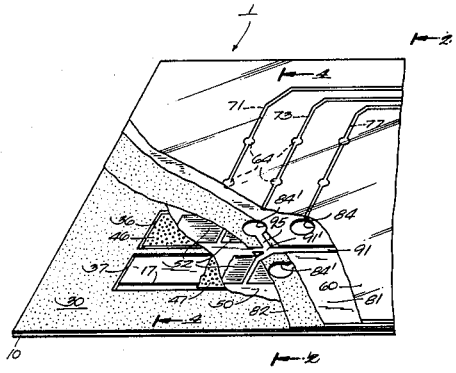
[57] **ABSTRACT**

A capacitance membrane switch (**1**) including first (**64,68**), second (**52,58**) and third capacitor plates (**44–48**) wherein the third capacitor plates consist of conductive adhesive.

4 Claims, 5 Drawing Figures