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United States Patent [19]

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Duwaer

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[54] **DATA PROCESSING SYSTEM WITH A TOUCH SCREEN AND A DIGITIZING TABLET, BOTH INTEGRATED IN AN INPUT DEVICE**

4,933,544	6/1990	Tamaru	340/712
4,977,397	12/1990	Kuo et al.	178/18
5,038,142	8/1991	Flowers et al.	341/34
4,775,765	10/1988	Kimura et al.	178/18

[75] Inventor: **Arne L. Duwaer**, Eindhoven, Netherlands

FOREIGN PATENT DOCUMENTS

[73] Assignee: **U.S. Philips Corp.**, New York, N.Y.

0256327	2/1988	European Pat. Off. .	
0297557	1/1989	European Pat. Off. .	
0039232	3/1985	Japan	340/712

[21] Appl. No.: **590,985**

[22] Filed: **Oct. 1, 1990**

Primary Examiner—Ulysses Weldon
Assistant Examiner—Matthew Luu
Attorney, Agent, or Firm—Jack D. Slobod

[30] **Foreign Application Priority Data**

Oct. 2, 1989 [EP] European Pat. Off. 89202473.8

[57] ABSTRACT

[51] Int. Cl.⁵ **G09G 3/02**

[52] U.S. Cl. **340/712; 340/706; 178/18; 178/19**

[58] Field of Search 178/18, 19; 340/712, 340/708, 706; 367/907, 129; 341/34

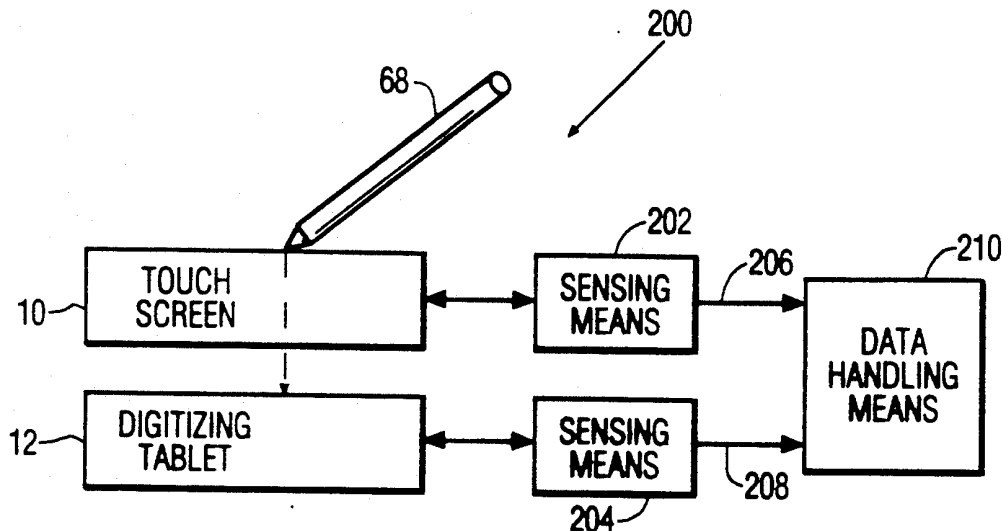
A data processing system includes a multipurpose data input device formed by a touch screen and a digitizing tablet integrated with one another which are activatable independently of each other by proper stimuli. The input device is integrated with a flat panel display in order to establish a visual feedback to the user or to present information pertaining to the entered data after processing. The flat panel display, touch screen and digitizing tablet take a variety of forms and a variety of techniques are utilized to determine which of the touch screen and digitizing tablet is activated at any time.

[56] References Cited

U.S. PATENT DOCUMENTS

4,564,079	1/1986	Moore et al.	178/18
4,645,870	2/1987	Adler	178/19
4,686,332	8/1987	Greanias et al.	178/19
4,786,896	11/1988	Harte	340/712
4,853,496	8/1989	Taniishi	340/706
4,916,308	4/1990	Meadows	340/712

23 Claims, 5 Drawing Sheets



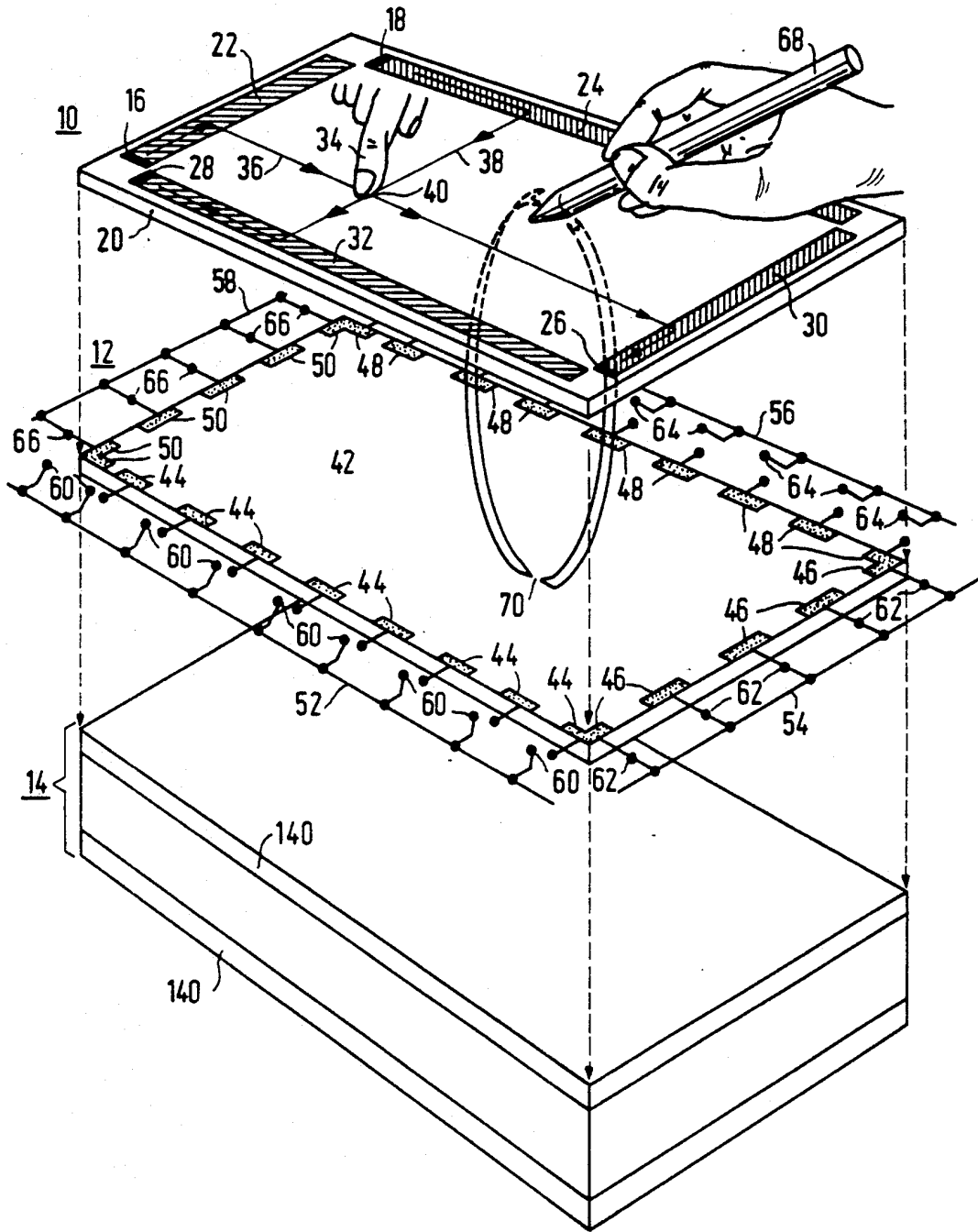


FIG.1

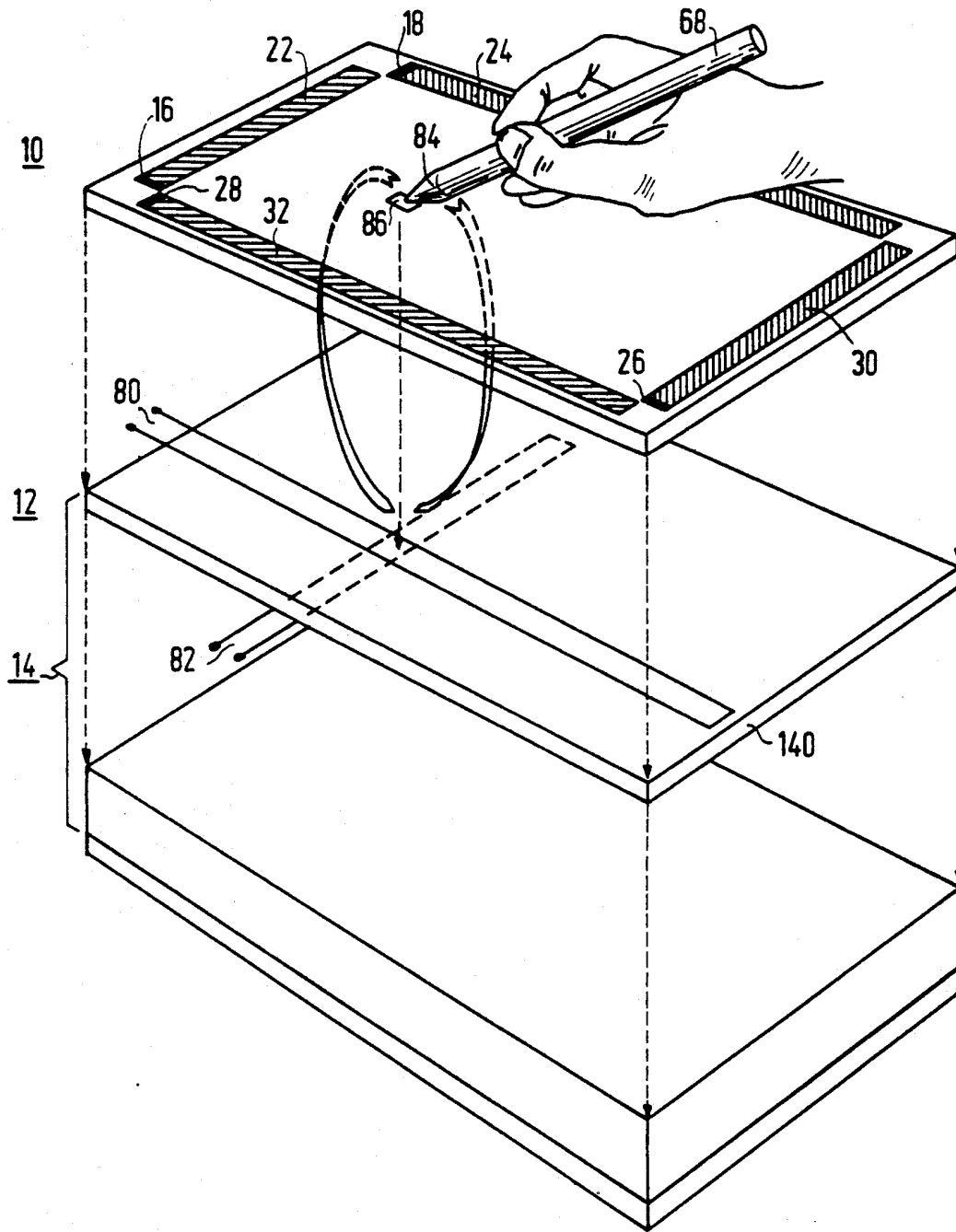


FIG. 2

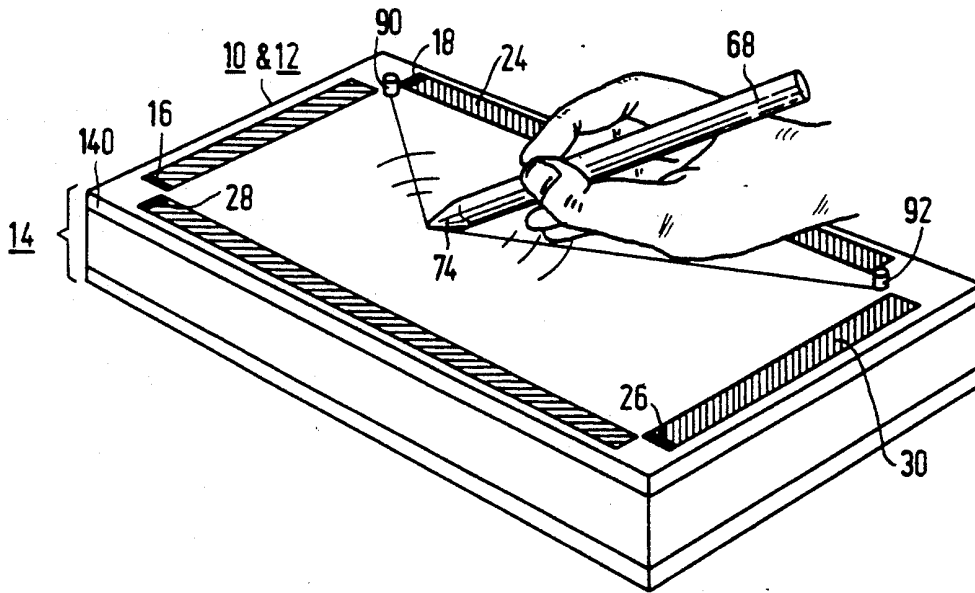


FIG. 3

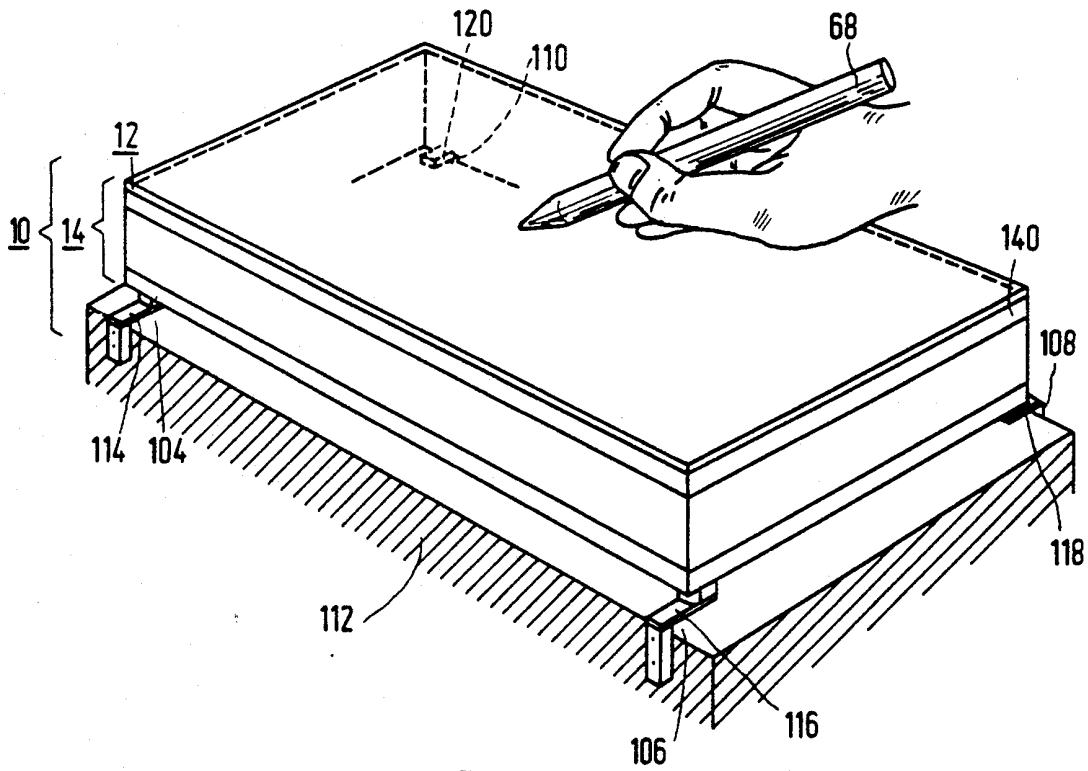


FIG. 4

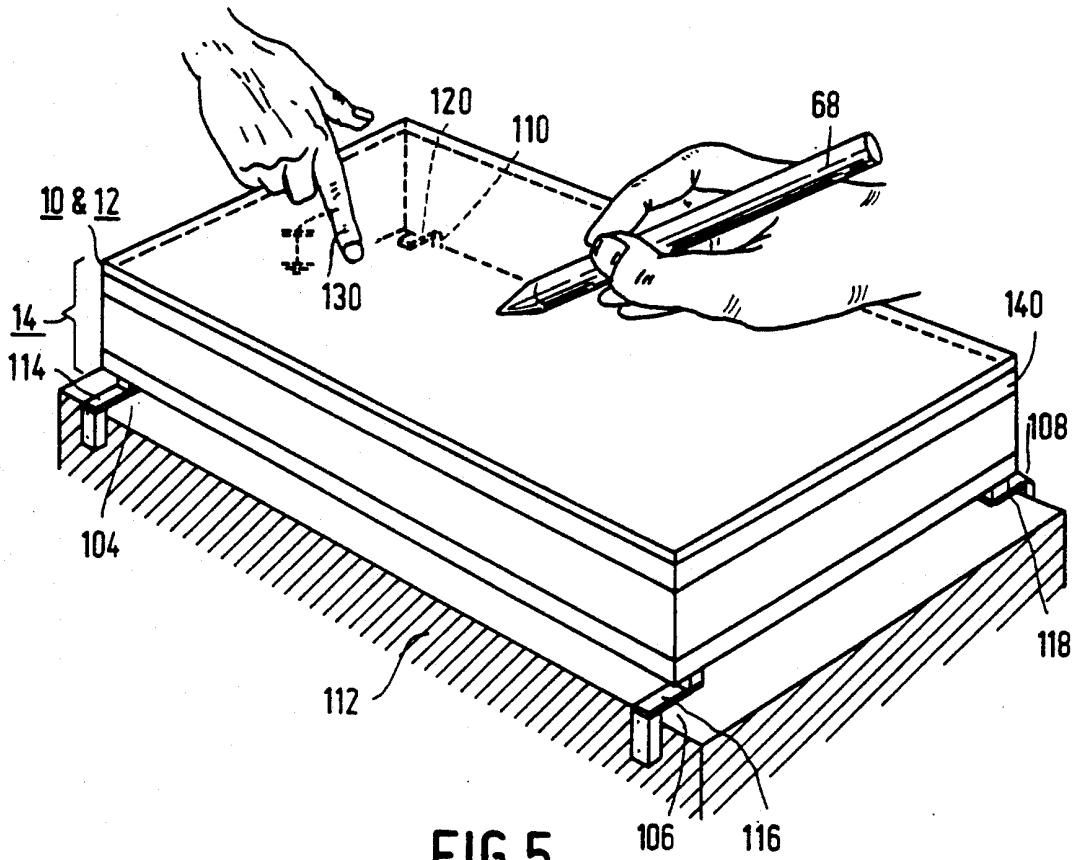


FIG. 5

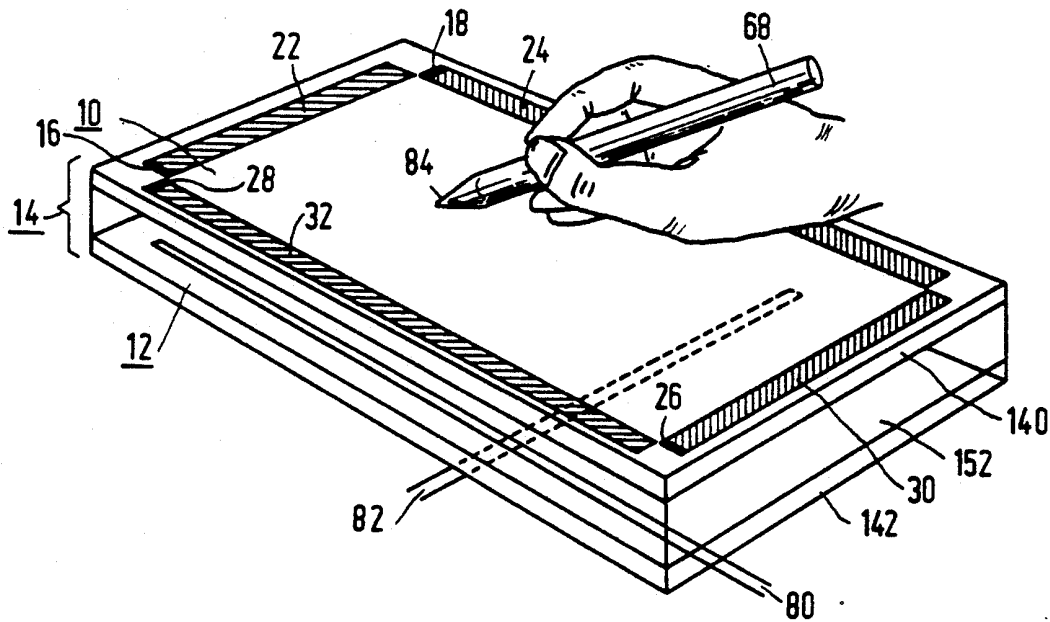


FIG. 6

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