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Lin

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(54) **PORTABLE COMPUTER WITH AN LCD WHICH CAN BE ROTATED WITHIN 360 DEGREES**

6,101,676 A * 8/2000 Wahl et al. 16/342
6,154,359 A * 11/2000 Kamikakai et al. 361/681

FOREIGN PATENT DOCUMENTS

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(73) Assignee: **Arima Computer Corp.**, Taipei (TW)
(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

JP 408179851 A * 7/1996 G06F/1/16
JP 408179854 A * 7/1996 G06F/1/16
JP 410116134 A * 5/1998 G06F/1/16
JP 411024788 A * 1/1999 G06F/1/16
JP 411219232 A * 8/1999 G06F/1/18
JP 411296258 A * 10/1999 G06F/1/16
TW 080201299 1/1991
TW 083201145 1/1994
TW 086221155 12/1997

* cited by examiner

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(30) **Foreign Application Priority Data**

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(51) **Int. Cl.**⁷ **G06F 1/16**

(52) **U.S. Cl.** **361/681**; 361/679; 361/683;
364/708.1; 312/223.1; 345/905

(58) **Field of Search** 361/680, 681,
361/683, 679, 687; 364/705.01, 708.01;
312/223.1, 223.2; 345/905; 248/917; 16/342,
366, 378, 379, 354, 321, 341

(56) **References Cited**

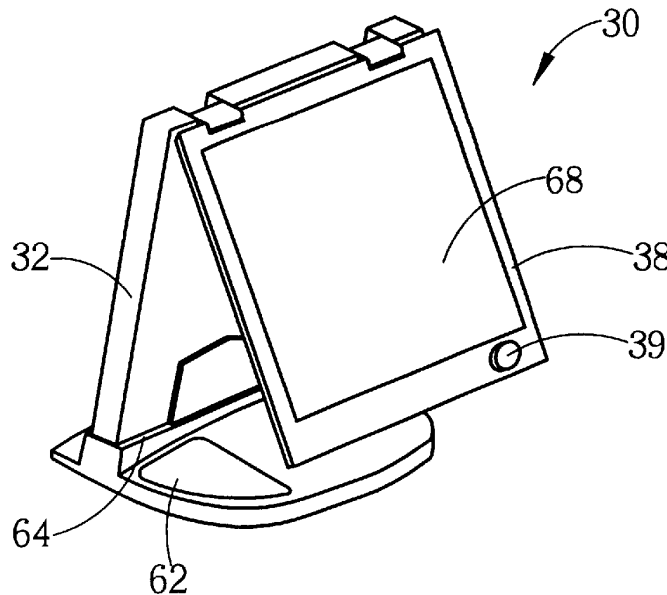
U.S. PATENT DOCUMENTS

5,333,356 A * 8/1994 Katagiri 16/340
5,481,430 A * 1/1996 Miyagawa et al. 361/681
5,661,632 A * 8/1997 Register 361/683
5,719,799 A * 2/1998 Isashi 364/705.01
5,987,704 A * 11/1999 Tang 16/354

(57) **ABSTRACT**

A portable computer comprises a machine body approximately rectangular in shape comprising a front end, a rear end, a top face and a bottom face; a liquid crystal display approximately rectangular in shape comprising an upper end and a lower end; and a connecting device comprising a front end and a rear end. The front end of the connecting device is fixed to the rear end of the machine body in a rotatable manner, and the rear end of the connecting device is fixed to the lower end of the liquid crystal display. The connecting device enables the liquid crystal display to be folded upon the top face of the machine body by a forward rotation or upon the bottom face of the machine body by a backward rotation.

11 Claims, 6 Drawing Sheets



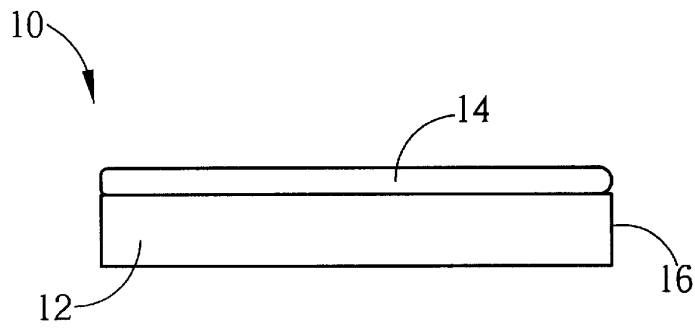


Fig. 1 Prior art

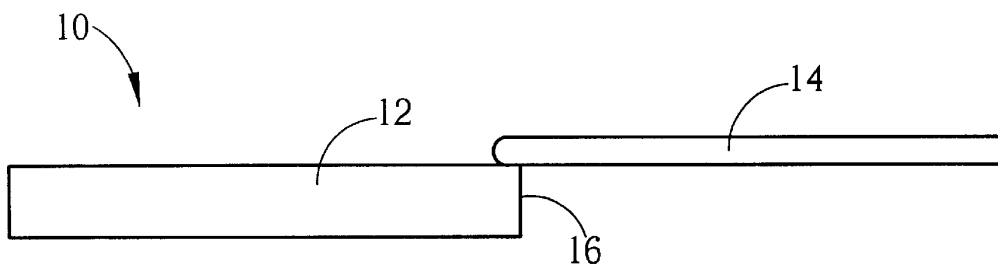


Fig. 2 Prior art

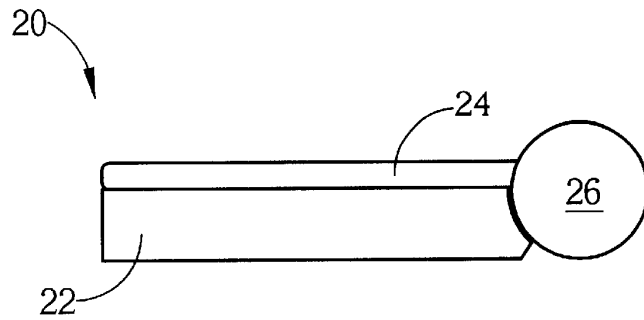


Fig. 3 Prior art

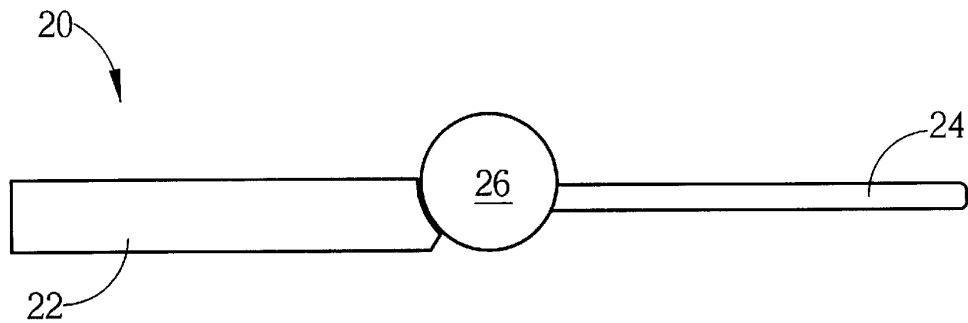


Fig. 4 Prior art

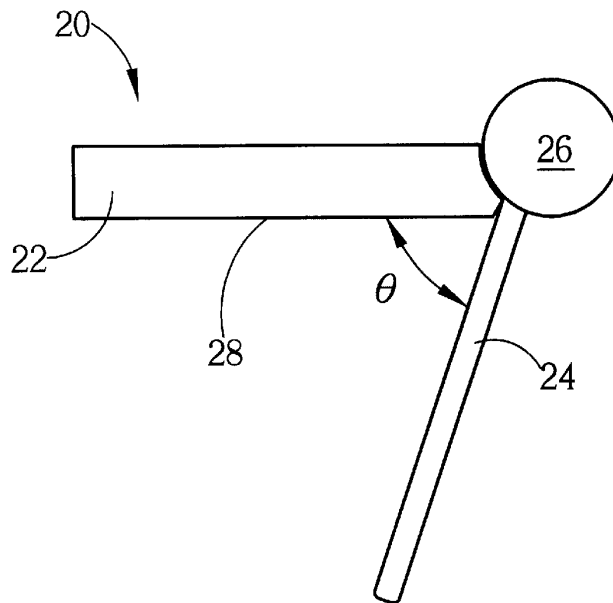


Fig. 5 Prior art

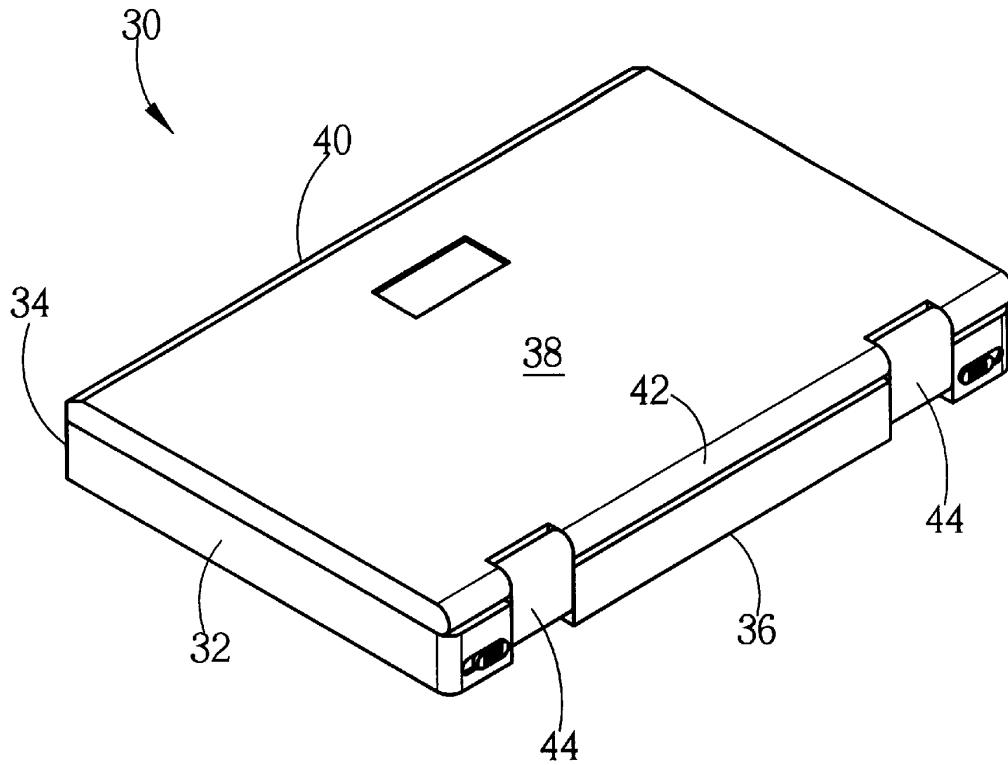


Fig. 6

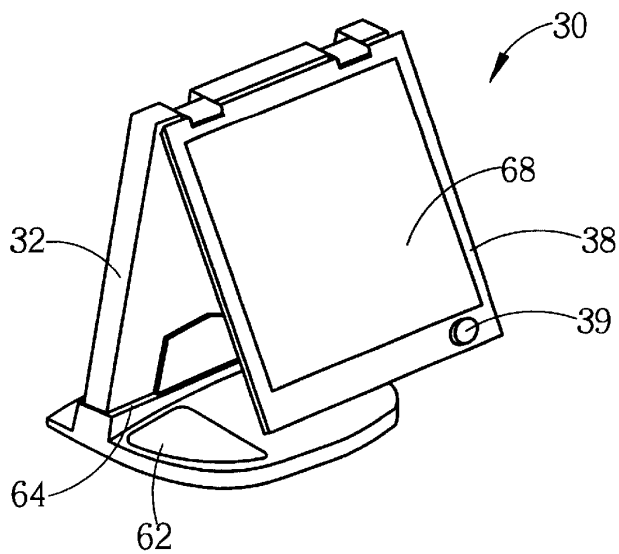


Fig. 7

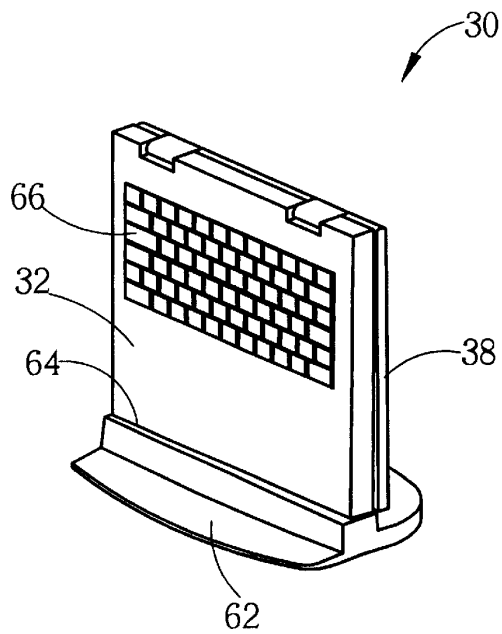


Fig. 8

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