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(12) **United States Patent**
Ku et al.

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(54) **APPARATUS AND METHOD FOR
CONNECTING AND ARTICULATING
DISPLAY IN A PORTABLE COMPUTER
HAVING MULTIPLE DISPLAY
ORIENTATIONS**

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(73) Assignee: **VADEM**, San Jose, CA (US)

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

This patent is subject to a terminal disclaimer.

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(22) Filed: **Jun. 16, 1999**

(57) **ABSTRACT**

Related U.S. Application Data

(63) Continuation-in-part of application No. 08/970,343, filed on Nov. 14, 1997, now Pat. No. 6,005,767, and a continuation-in-part of application No. 29/075,862, filed on Aug. 27, 1997, now Pat. No. Des. 416,003.

A portable computer. The computer includes a base, a display member, and an arm assembly coupling the display member to the base. The arm assembly includes a pair of spaced arm portions and a rigid connecting portion extending between the arm portions. The arm portions each have a first end pivotally coupled to the base edge for movement of the arm assembly between a closed position with the arm portion substantially parallel to the base and an open position with the arm portion oriented at an angle relative to the base, and a second end pivotally coupled to the display edge for pivotal movement of the display member relative to the arm portion to move the display member between a plurality of positions relative to the arm member.

(51) **Int. Cl.**⁷ **G06F 1/16**

(52) **U.S. Cl.** **361/681; 361/682; 312/223.1; 312/223.6; 345/169; 345/905**

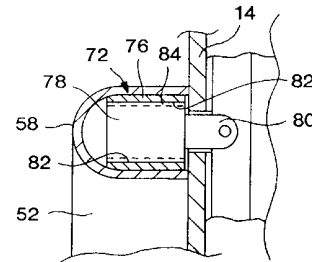
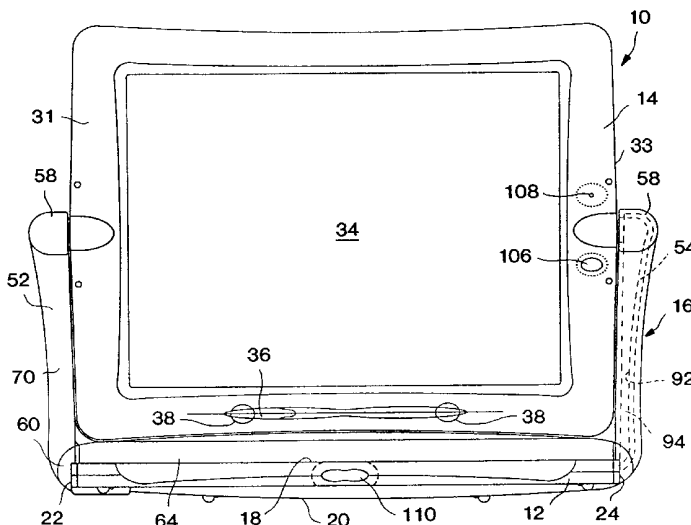
(58) **Field of Search** **361/681-683; 312/223.1-223.6; 345/169, 905**

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38 Claims, 20 Drawing Sheets



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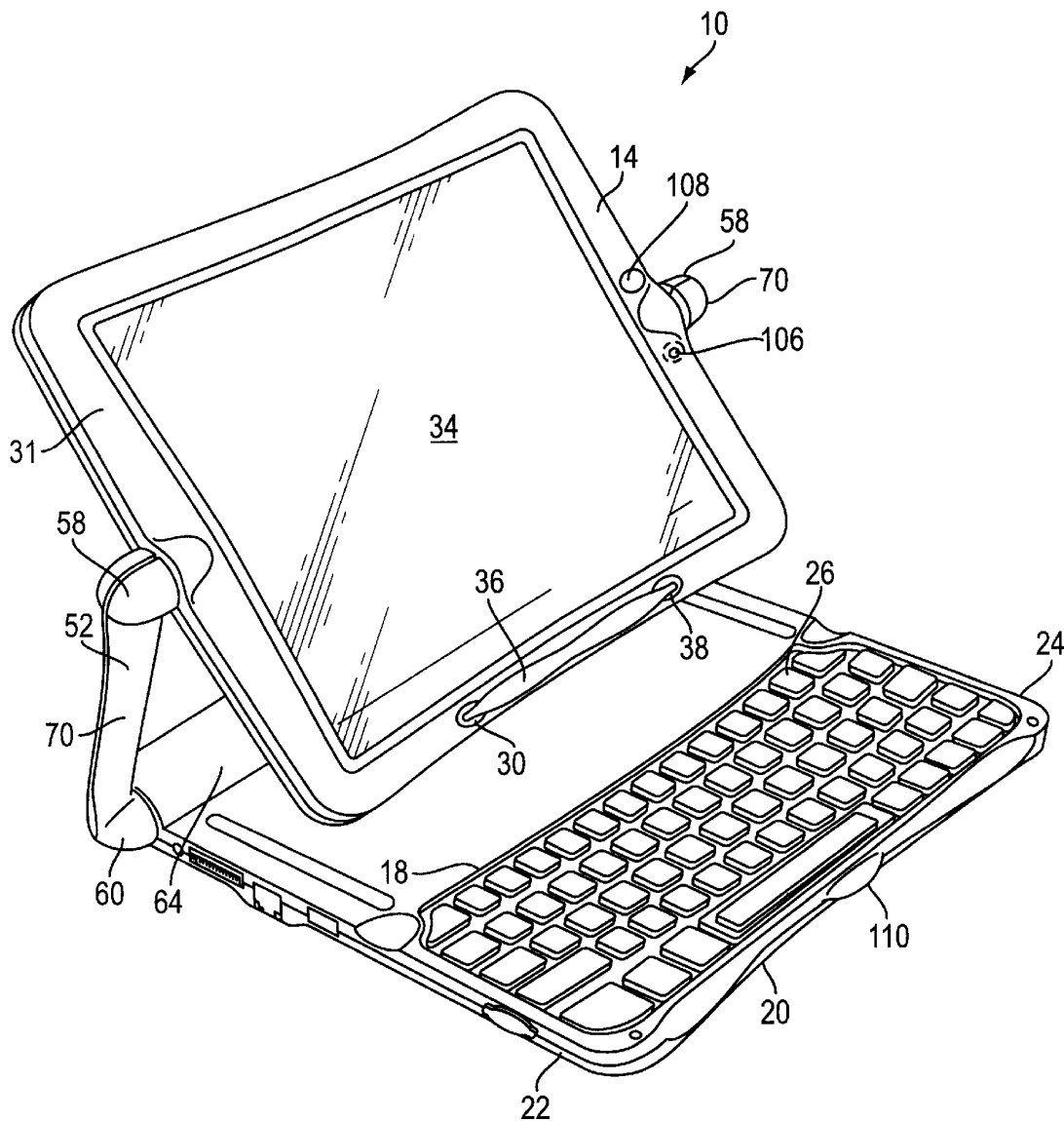


Figure 1

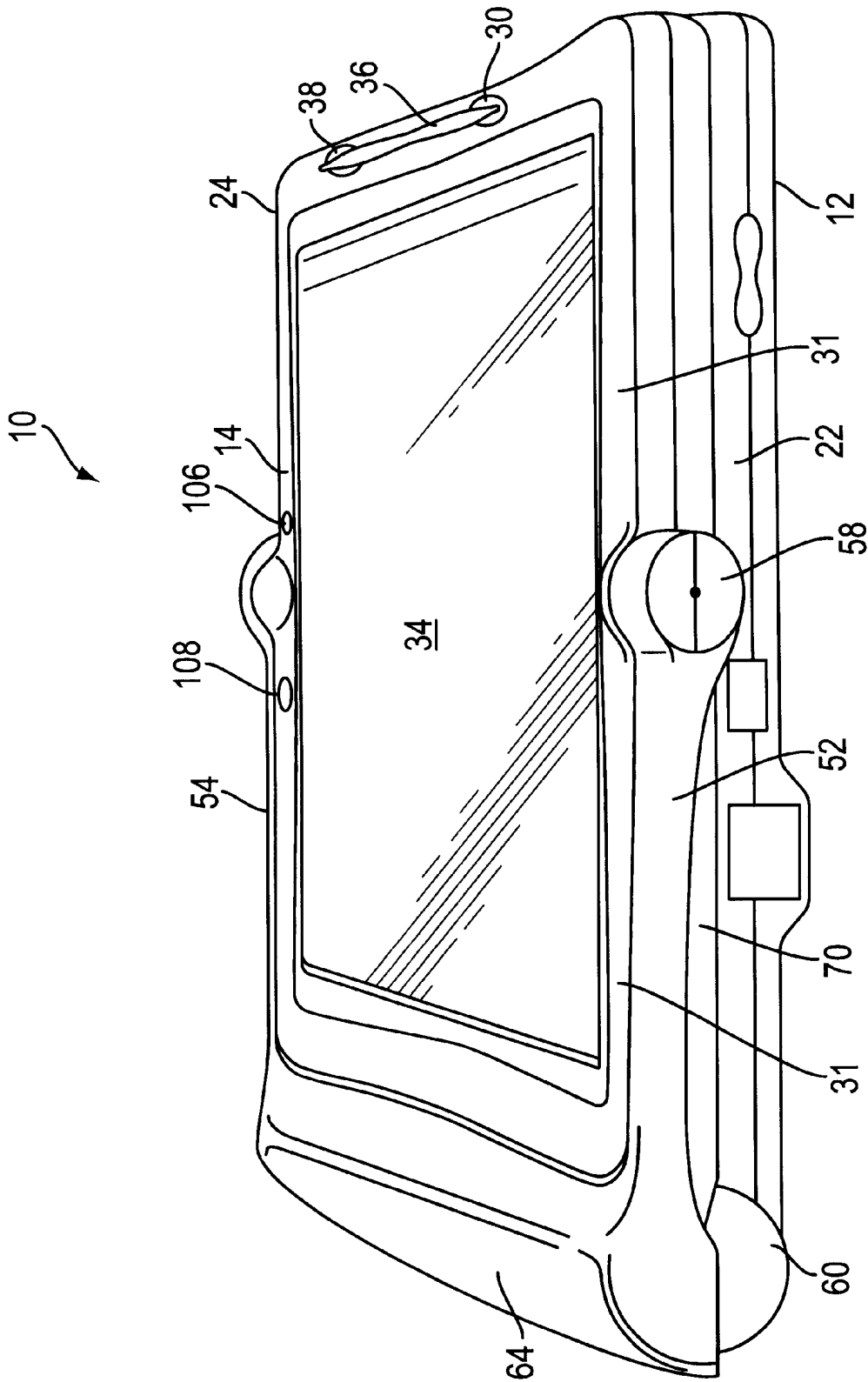


Figure 2

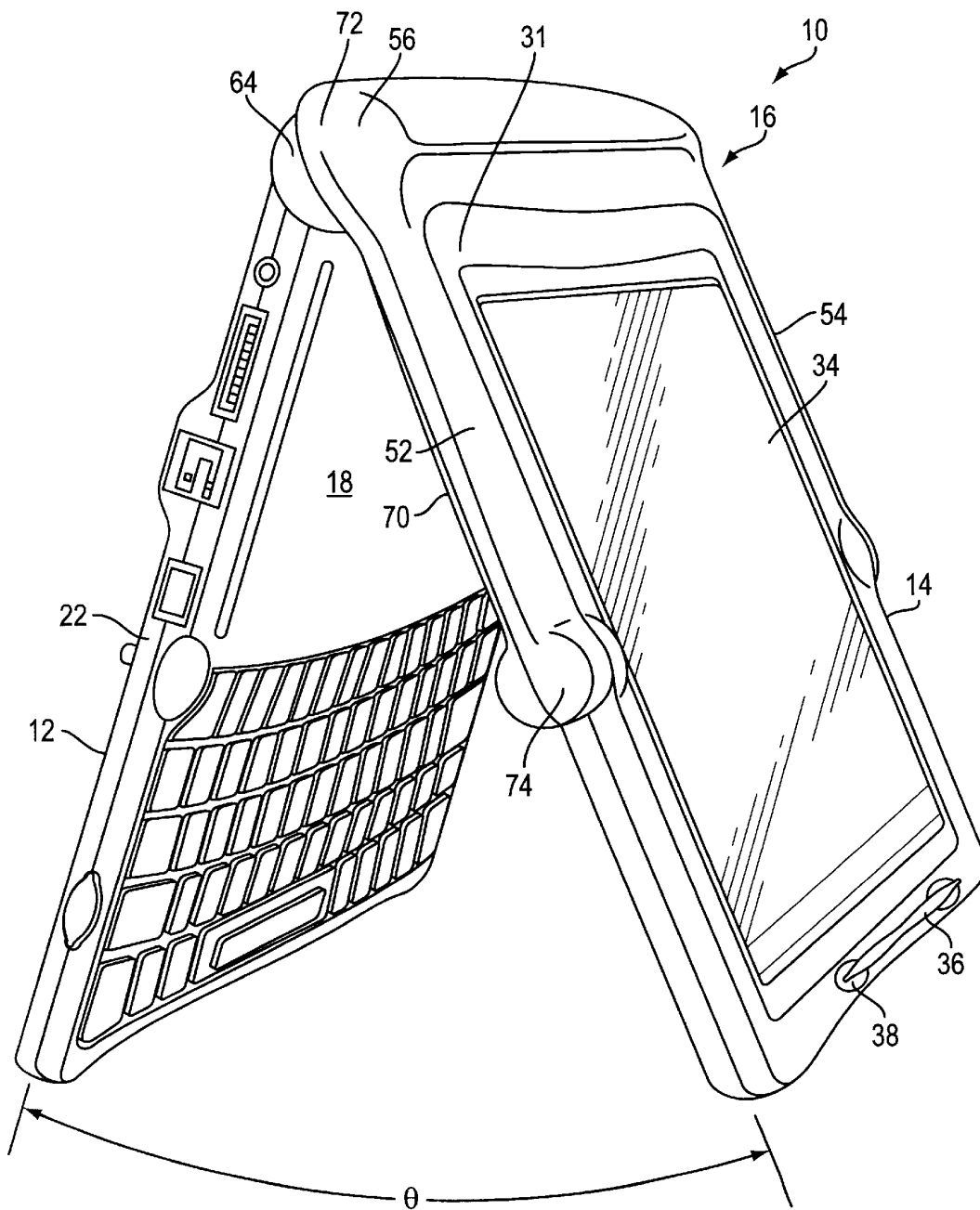


Figure 3

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