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(12) **United States Patent**  
**Shimano**

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(54) **PORTABLE COMPUTER USABLE IN  
LAPTOP AND TABLET CONFIGURATIONS**

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patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

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(51) **Int. Cl.**<sup>7</sup> ..... **G06F 1/16**

(52) **U.S. Cl.** ..... **361/681; 345/173; 345/905;  
361/681; D14/304**

(58) **Field of Search** ..... **361/680-683,  
361/686; D14/304, 305; 345/173, 905,  
178, 179**

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,200,913 A	4/1993	Hawkins et al.	
5,268,817 A	* 12/1993	Miyagawa et al.	361/681
5,333,116 A	7/1994	Hawkins et al.	
5,335,142 A	8/1994	Anderson	
5,498,165 A	3/1996	Tseng	
5,668,570 A	* 9/1997	Ditzik	345/173
5,768,163 A	6/1998	Smith, II	

5,900,848 A	* 5/1999	Haneda et al.	345/1.1
5,917,475 A	6/1999	Kuzunuki et al.	
5,987,704 A	11/1999	Tang	
6,122,152 A	* 9/2000	Goto et al.	361/1
6,141,208 A	10/2000	Hong et al.	
6,202,256 B1	3/2001	Bovio et al.	
6,219,681 B1	4/2001	Hawkins et al.	
6,256,194 B1	7/2001	Choi et al.	
6,262,885 B1	* 7/2001	Emma et al.	361/683
6,275,376 B1	* 8/2001	Moon	361/683
6,297,947 B1	10/2001	Howell et al.	
6,300,921 B1	10/2001	Moriconi et al.	
6,301,768 B1	10/2001	Toeniskoetter	
6,304,433 B2	10/2001	O'Neal et al.	
6,394,431 B1	5/2002	Smith	
2001/0001859 A1	5/2001	Hawkins et al.	
2003/0106724 A1	* 6/2003	Masamitsu et al.	178/18.03

\* cited by examiner

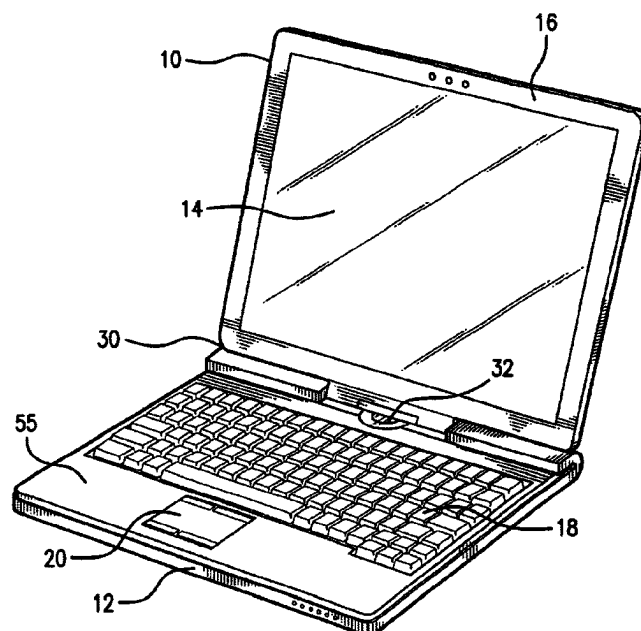
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(57) **ABSTRACT**

Embodiments of the present invention are directed to a portable computer, such as a laptop or notebook computer, a subnotebook computer, a personal digital assistant, a wireless phone or the like, that can be set up in a closed configuration, a laptop configuration or a tablet configuration. The portable computer may include a base unit having a primary input device, such as a keyboard or pointing device, and a display unit having a display device. The base unit and the display unit may be coupled so that the display unit can be moved relative to the base unit to place the portable computer in a desired configuration.

**17 Claims, 17 Drawing Sheets**



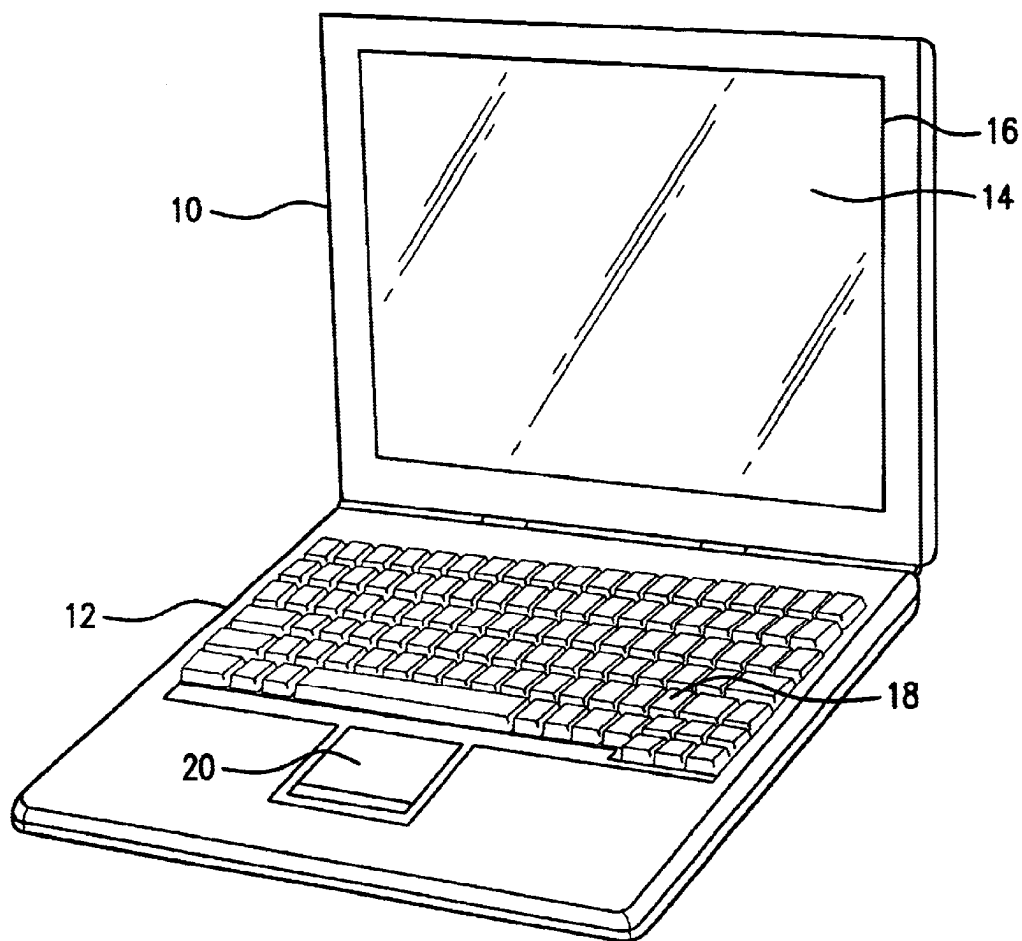


FIG. 1

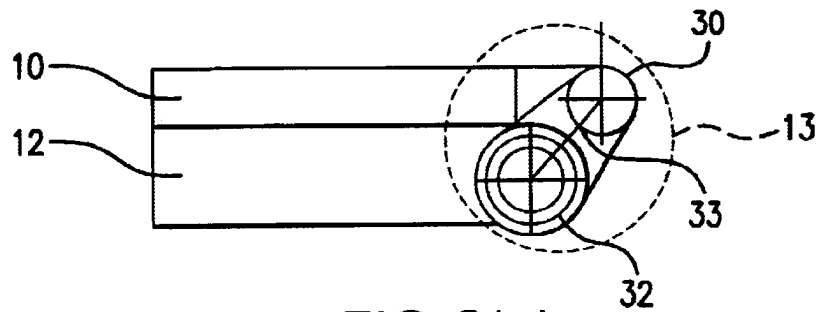


FIG. 2(a)

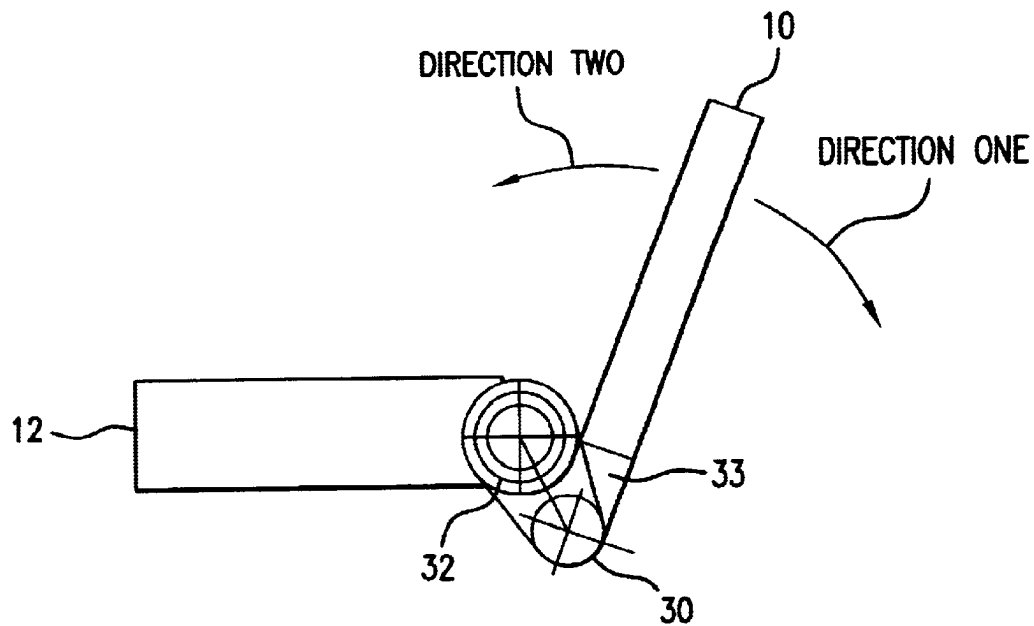


FIG. 2(b)

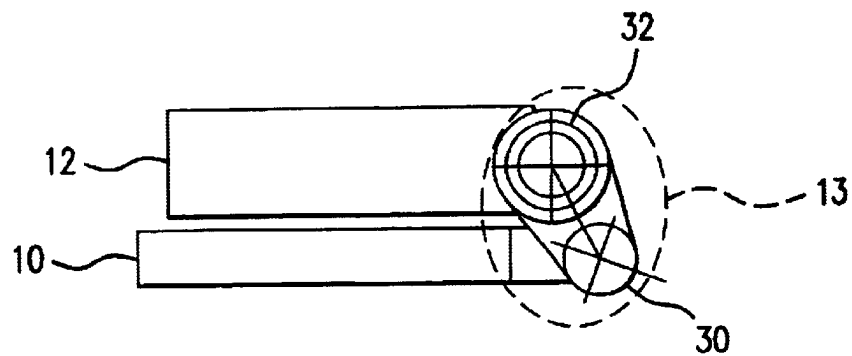


FIG. 2(c)

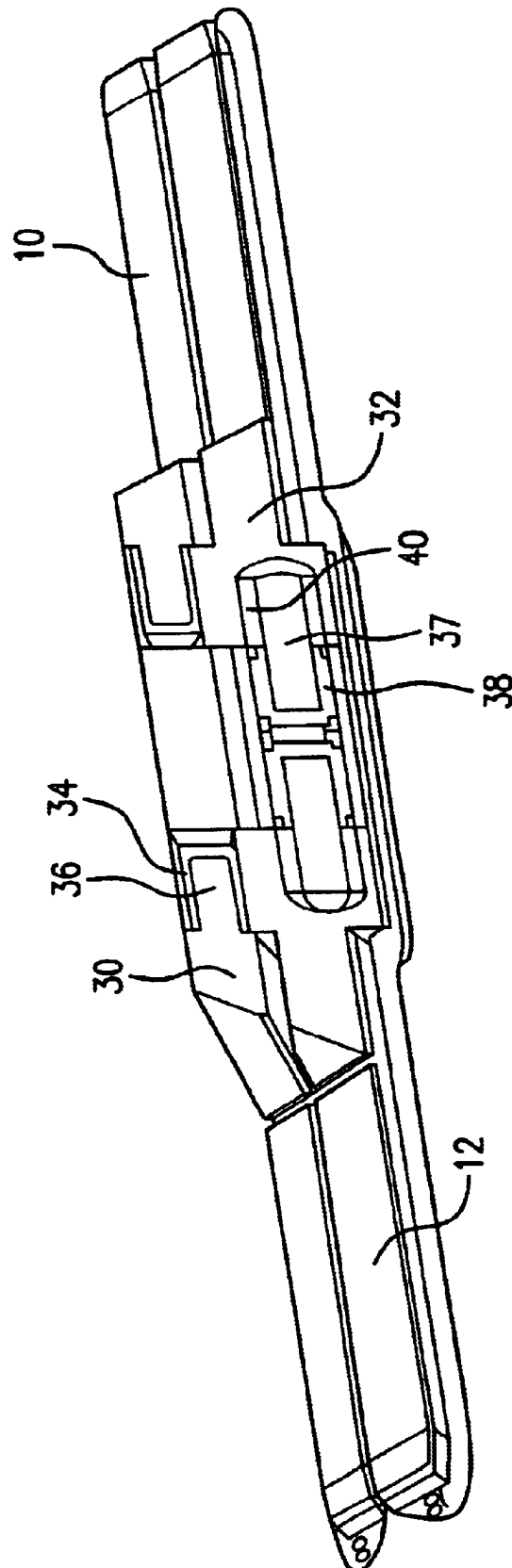


FIG. 3

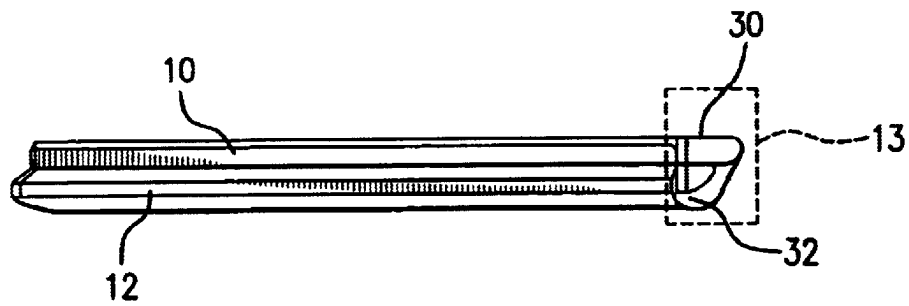


FIG. 4(a)

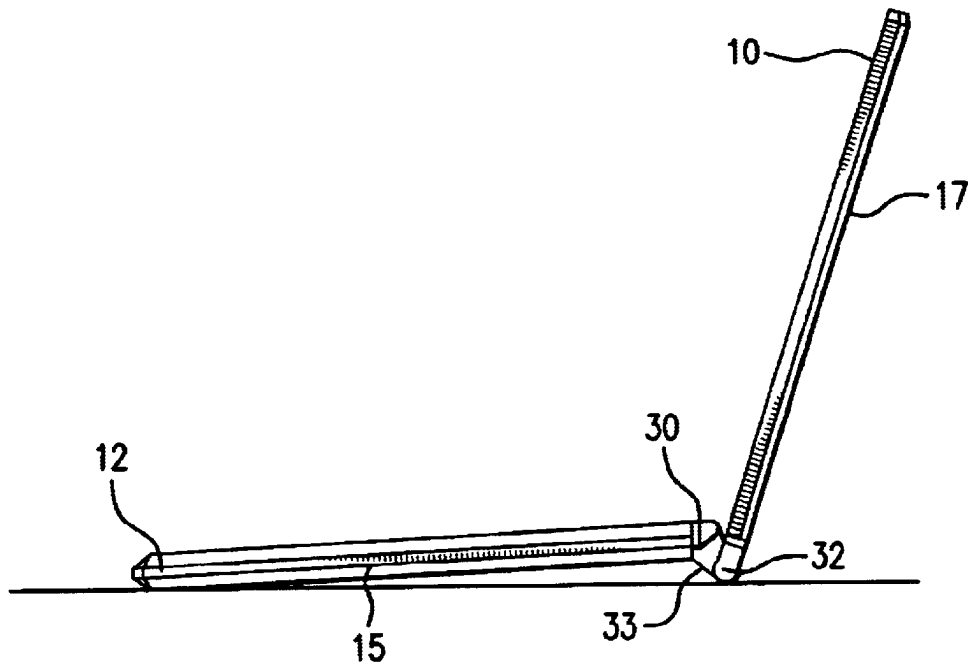


FIG. 4(b)

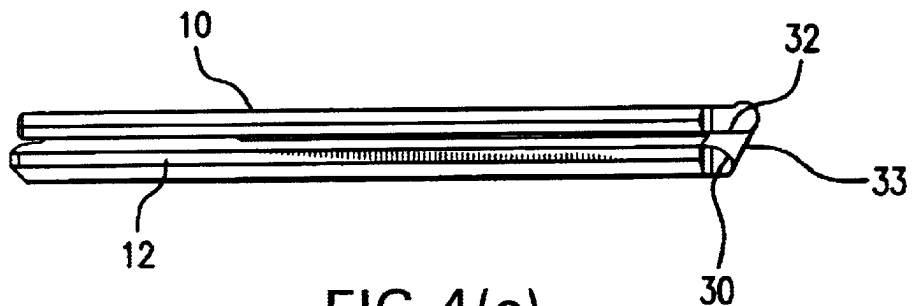


FIG. 4(c)

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