



US005722624A

United States Patent [19]

Watt et al.

[11] **Patent Number:** 5,722,624[45] **Date of Patent:** Mar. 3, 1998[54] **LAPTOP COMPUTER SUPPORT**[75] **Inventors:** Richard L. Watt; Keith R. Ptak, both of Jamestown, N.Y.[73] **Assignee:** Weber Knapp Company, Jamestown, N.Y.

4,913,390	4/1990	Berke	248/176
4,976,407	12/1990	Schwartz et al.	248/118.3
5,119,742	6/1992	Simmie	108/152
5,211,367	5/1993	Musculus	248/279
5,340,076	8/1994	Dockwiler, III	248/371
5,351,897	10/1994	Martin	244/118
5,402,972	4/1995	Schmidt	248/118
5,405,204	4/1995	Ambrose	400/472

[21] **Appl. No.:** 654,620[22] **Filed:** May 29, 1996[51] **Int. Cl.⁶** A47B 96/06[52] **U.S. Cl.** 248/205.1; 248/242; 248/291[58] **Field of Search** 248/205.1, 242, 248/291.1, 292.14, 294.1, 918, 923, 922, 921

[56]

References Cited**U.S. PATENT DOCUMENTS**

2,558,323	6/1951	Strun	155/82
3,151,576	10/1964	Patterson	248/242
3,662,982	5/1972	Antonius	248/205.1
3,991,961	11/1976	Platzer, Jr.	248/99
4,562,987	1/1986	Leeds et al.	248/278
4,776,284	10/1988	McIntosh	108/138
4,826,123	5/1989	Hannah et al.	248/248

FOREIGN PATENT DOCUMENTS

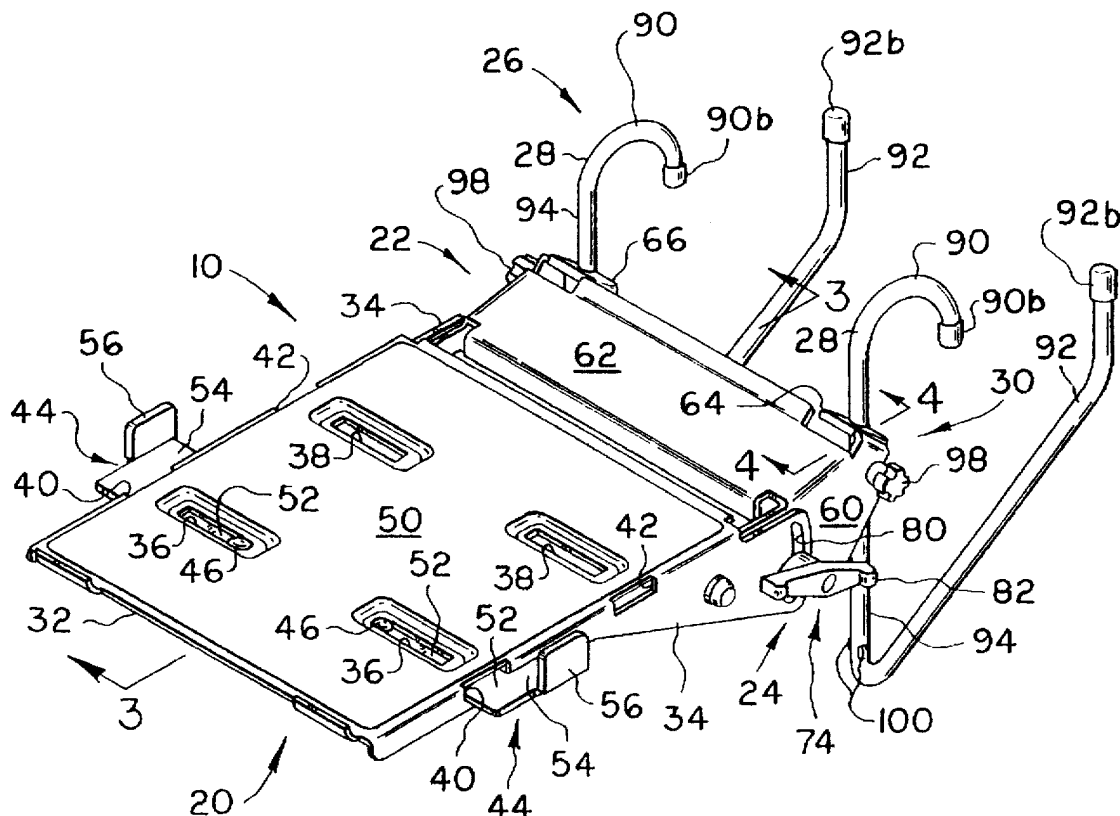
265331 2/1927 United Kingdom 248/242

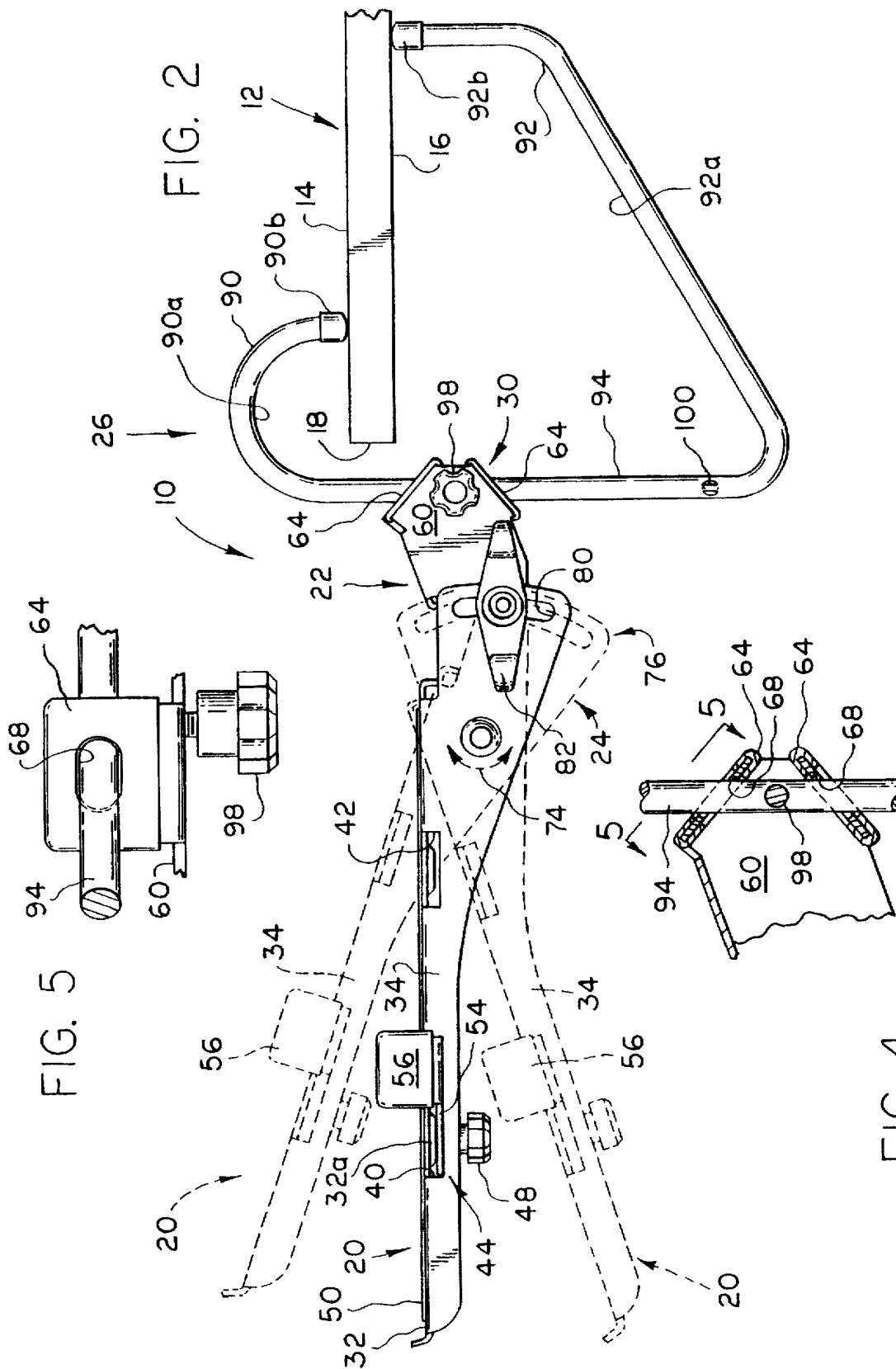
Primary Examiner—Ramon O. Ramirez*Assistant Examiner*—Kimberly Wood*Attorney, Agent, or Firm*—Bean, Kauffman & Snyder

[57]

ABSTRACT

An adjustable support is provided for removably supporting a laptop computer relative to a table top for relative vertical and tilting movements. The computer is clampingly secured to a platform, which is in turn supported for vertical tilting movement relative to a bracket. The bracket is supported for vertical adjustment relative to a midportion of a pair of support arms having their free ends arrayed to engage with upwardly and downwardly facing surfaces of the table top.

4 Claims, 2 Drawing Sheets



5

to be removably inserted therethrough for positioning said connecting portion within said through openings, and said maximum dimension extends in the direction in which said guide flanges of each pair are inclined relative to one another.

2. An adjustable support for removably mounting an art device relative to a support having upwardly and downwardly facing surfaces joined by an edge surface, said adjustable support comprising:

platform means having a mounting portion for mounting said art device thereon and a first pair of flanges depending from said mounting portion;

a bracket having a second pair of flanges, a bridging flange connected to each of said second pair of flanges adjacent opposite ends thereof, and two pairs of guide flanges each pair of guide flanges being connected to each of said second pair of flanges, said guide flanges of each said pair of said guide flanges having aligned through openings;

tilt adjustment means operably connecting said first and second pairs of flanges for mounting said platform means on said bracket to permit adjustable tilting movement of said mounting portion relative to said bridging flange;

a pair of arms each having a first end portion arranged for engagement with said upwardly facing surface, a second end portion arranged for engagement with said

6

downwardly facing surface and a connecting portion formed integrally with and arranged to extend vertically between said end portions forwardly of said edge surface, said through openings of said guide flanges of each said pair of guide flanges slidably receiving one of said arms for movement lengthwise of said connecting portion thereof; and

a pair of clamping means supported one by each of said second pair of flanges for releasable clamping engagement with said connecting portions of said arms.

3. The adjustable support according to claim 2, wherein said guide flanges of each pair of guide flanges are vertically inclined relative to one another and said through openings are elongated with a minimum dimension sized to slidably engage said connecting portion and a maximum dimension sized to permit one of said first end portion and said second end portion to be removably inserted therethrough for positioning said connecting portion within said through openings, and said maximum dimension extending in the direction in which said guide flanges of each pair of guide flanges are inclined relative to one another.

4. The adjustable support according to claim 3, wherein said pair of clamping means includes a pair of clamping screws arranged to engage said connecting portions intermediate said guide flanges of each pair of guide flanges.

* * * * *