



US006593945B1

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

(10) **Patent No.:** **US 6,593,945 B1**
(45) **Date of Patent:** ***Jul. 15, 2003**

(54) **PARALLEL GRAPHICAL USER INTERFACE**

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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.

(21) Appl. No.: **09/575,333**

(22) Filed: **May 19, 2000**

Related U.S. Application Data

(60) Provisional application No. 60/135,385, filed on May 21, 1999.

(51) **Int. Cl.**⁷ **G06F 3/14**

(52) **U.S. Cl.** **345/779; 345/841; 345/830; 345/826; 345/778**

(58) **Field of Search** 345/779, 853, 345/854, 762, 839, 836, 835, 810, 840, 841, 778, 784, 786, 830, 832, 774, 825, 811, 826; 709/329, 328, 323, 319

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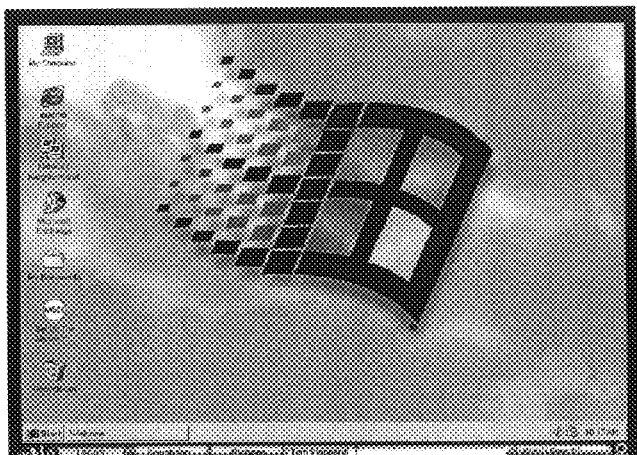
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(57) **ABSTRACT**

A parallel graphical user interface ("GUP") according to the present invention permits use of display spaces having aspect ratios greater than or equal to 3:1. In one example, a parallel GUI includes discrete cartridges which may be added, modified or deleted permitting user specific organization of the cartridges and the functions/links thereon. In another example, a preferred embodiment uses a dial tuning metaphor. A plurality of cartridges compose a bar and each cartridge may be displayed singularly by rotating the bar. Actuation of a selection device such as a button on a cartridge may initiate an application, document, file, utility, network link or simply rotation of the bar.

45 Claims, 13 Drawing Sheets



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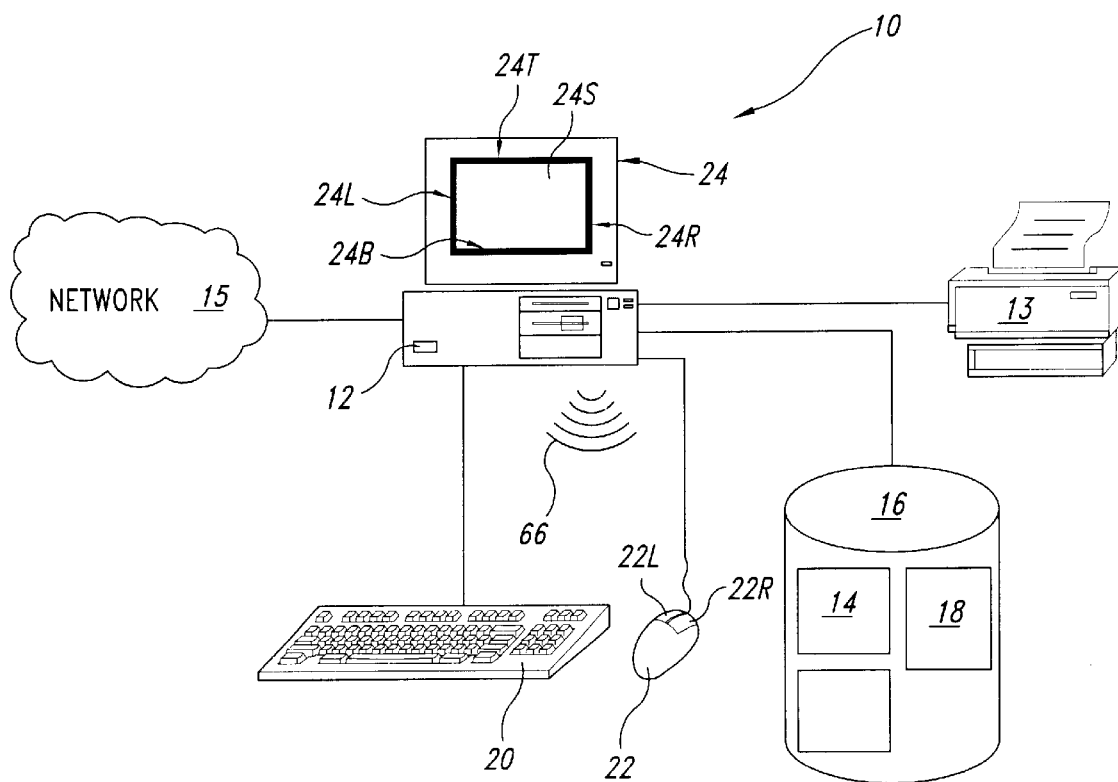


Fig. 1

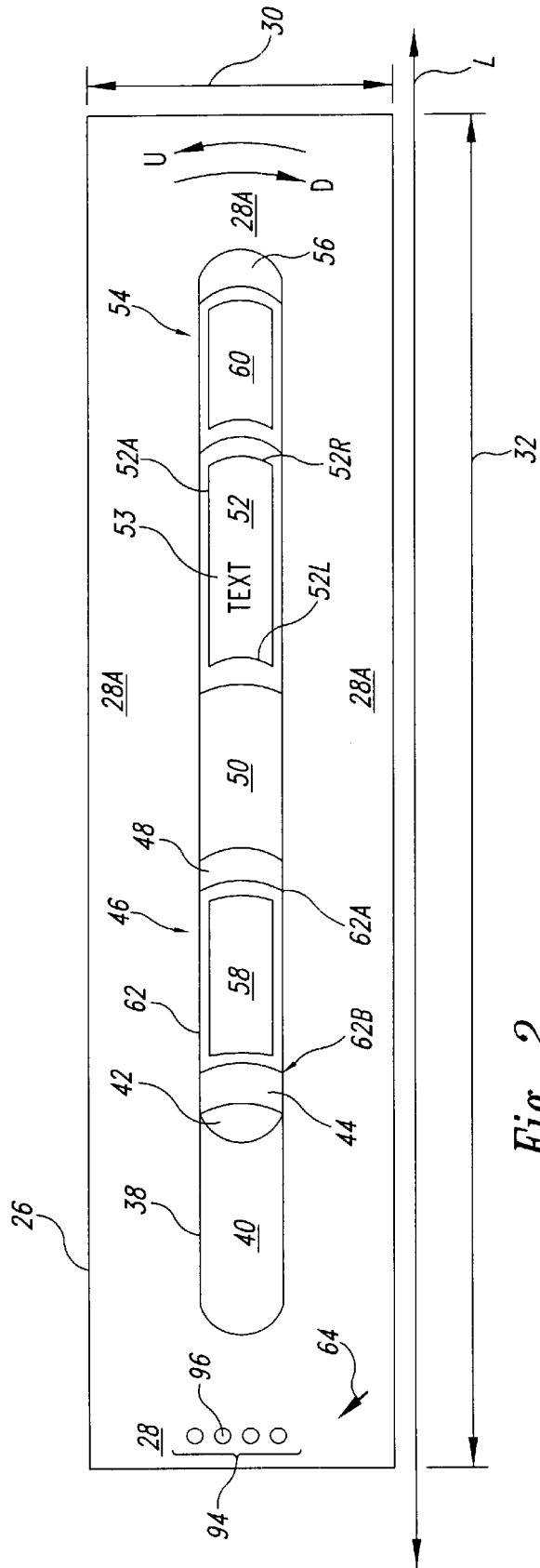


Fig. 2

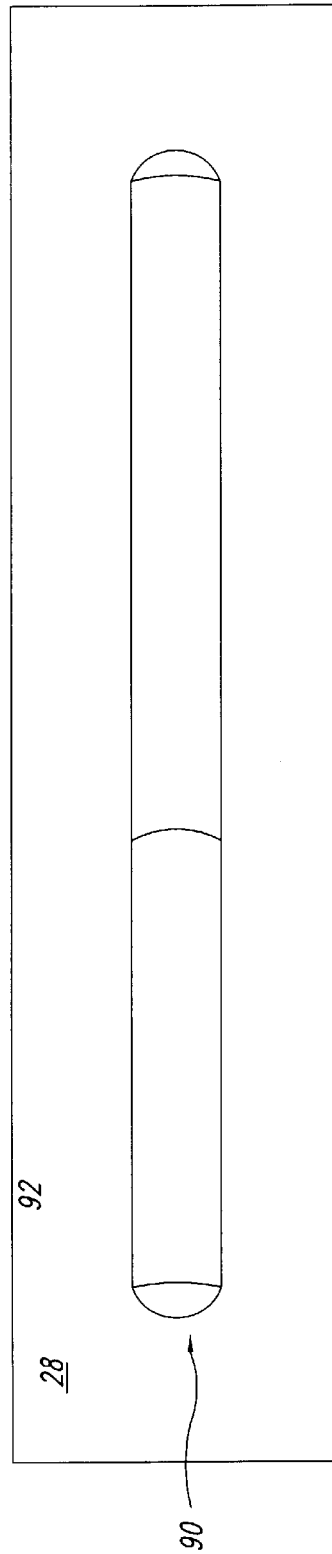


Fig. 4

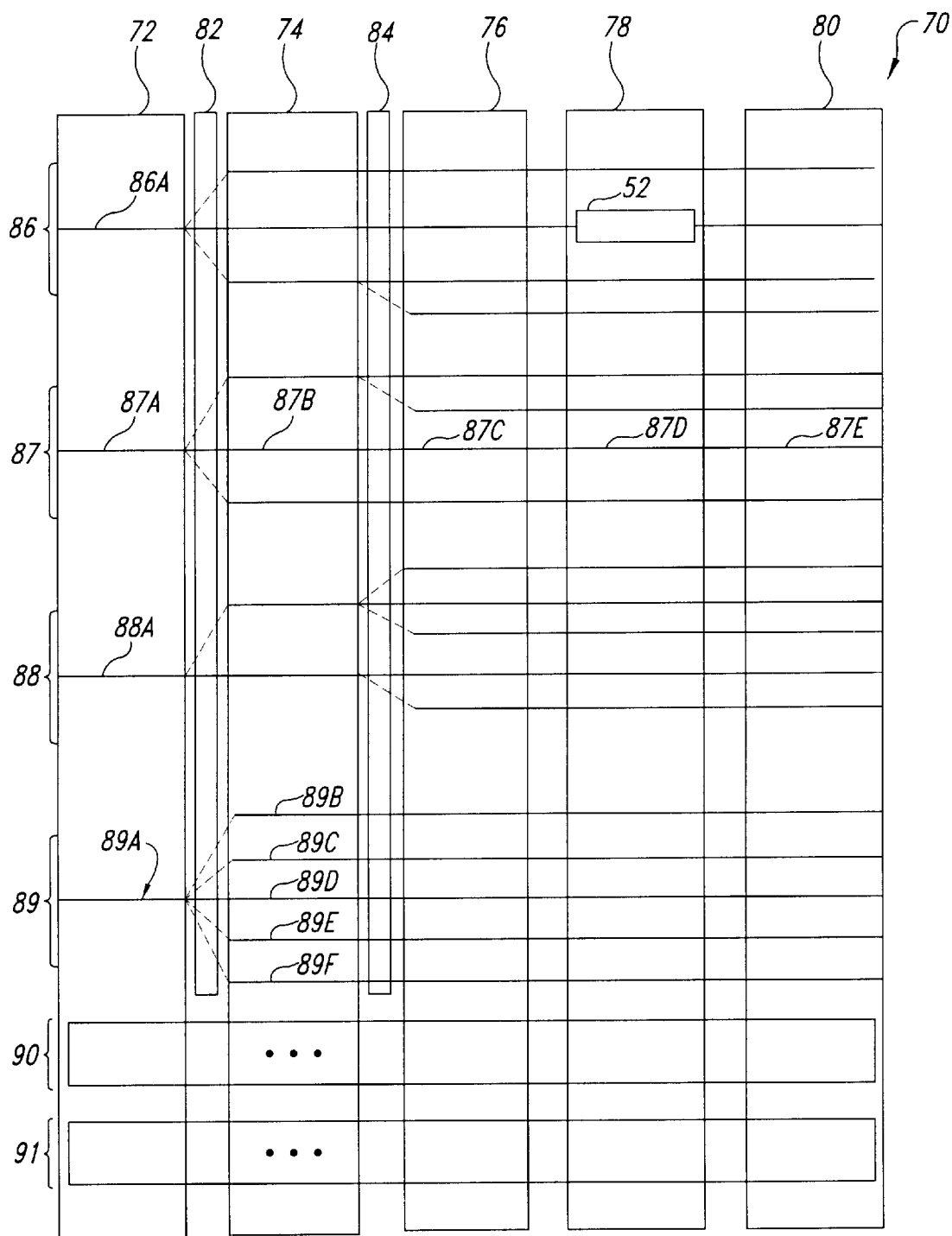


Fig. 3

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