

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2002/0149569 A1**

**Dutta et al.** (43) **Pub. Date: Oct. 17, 2002**

(54) **TOUCHSCREEN USER INTERFACE** (52) **U.S. Cl. .... 345/173; 345/168**

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**Robert J. Kamper**, Round Rock, TX (US) (57) **ABSTRACT**

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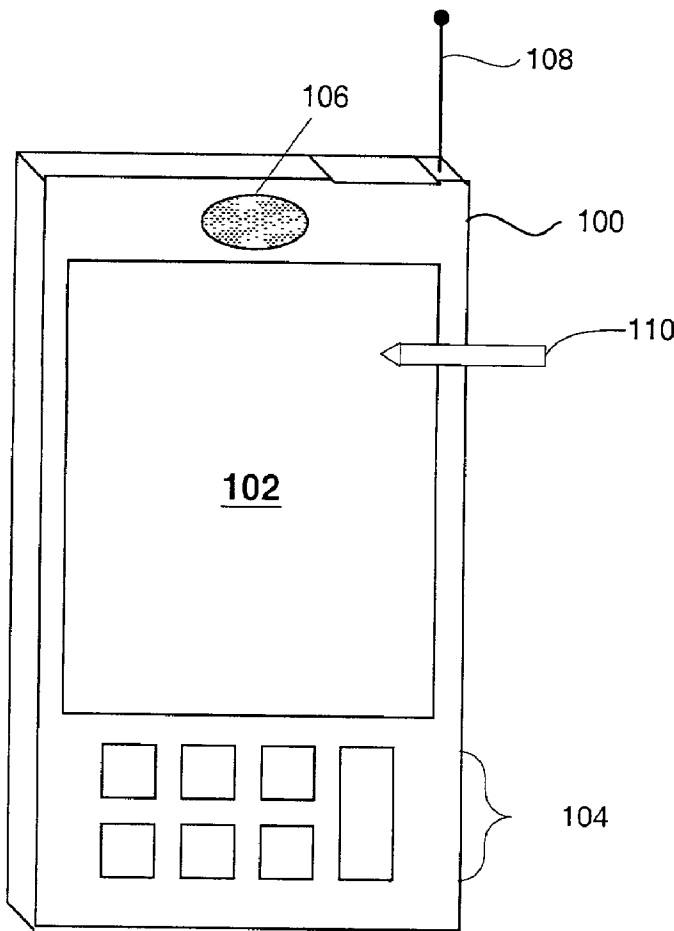
(21) Appl. No.: **09/833,341**

(22) Filed: **Apr. 12, 2001**

**Publication Classification**

(51) **Int. Cl.<sup>7</sup> ..... G09G 5/00**

A customizable touchscreen keyboard, and method, system, and computer program product for customizing the touchscreen keyboard is provided. In one embodiment, a data processing system receives customization characteristics from a user through the touchscreen interface. The data processing system then creates a customized touchscreen keyboard layout based on the customization characteristics and presents the customized touchscreen keyboard layout to a user. For example, the user may customize the keyboard such that the letters are presented in a U-shape with the letters arranged in alphabetical order, thus aiding a user in finding a desired letter. The user may later recustomize the keyboard if desired. Furthermore, the data processing system may reconfigure the keyboard based on past usage by the user.



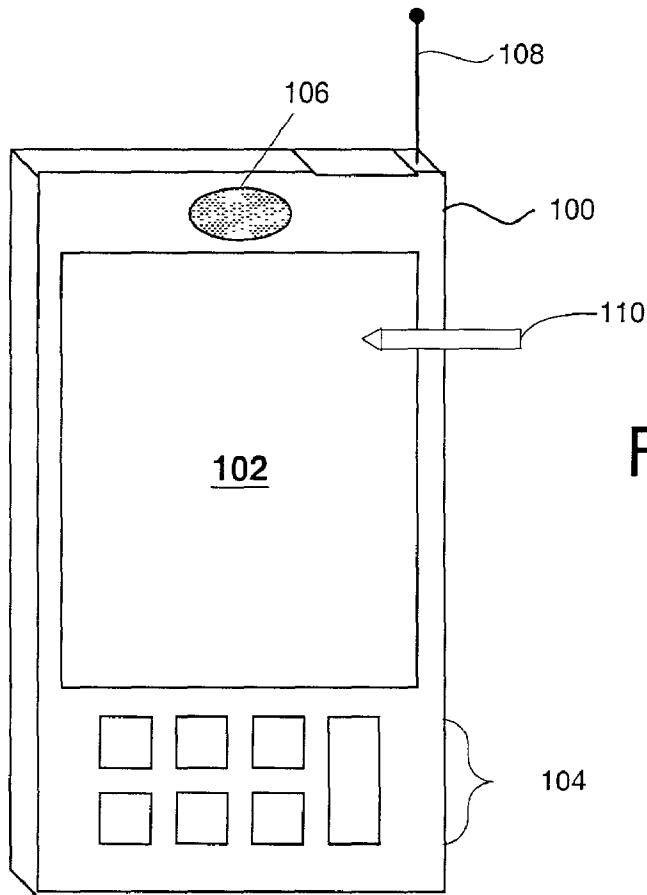


Figure 1

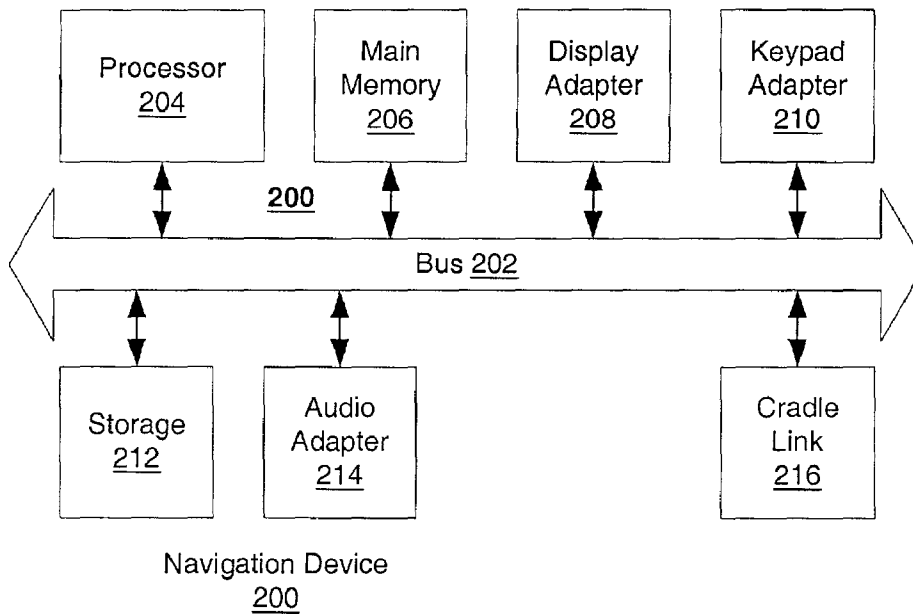
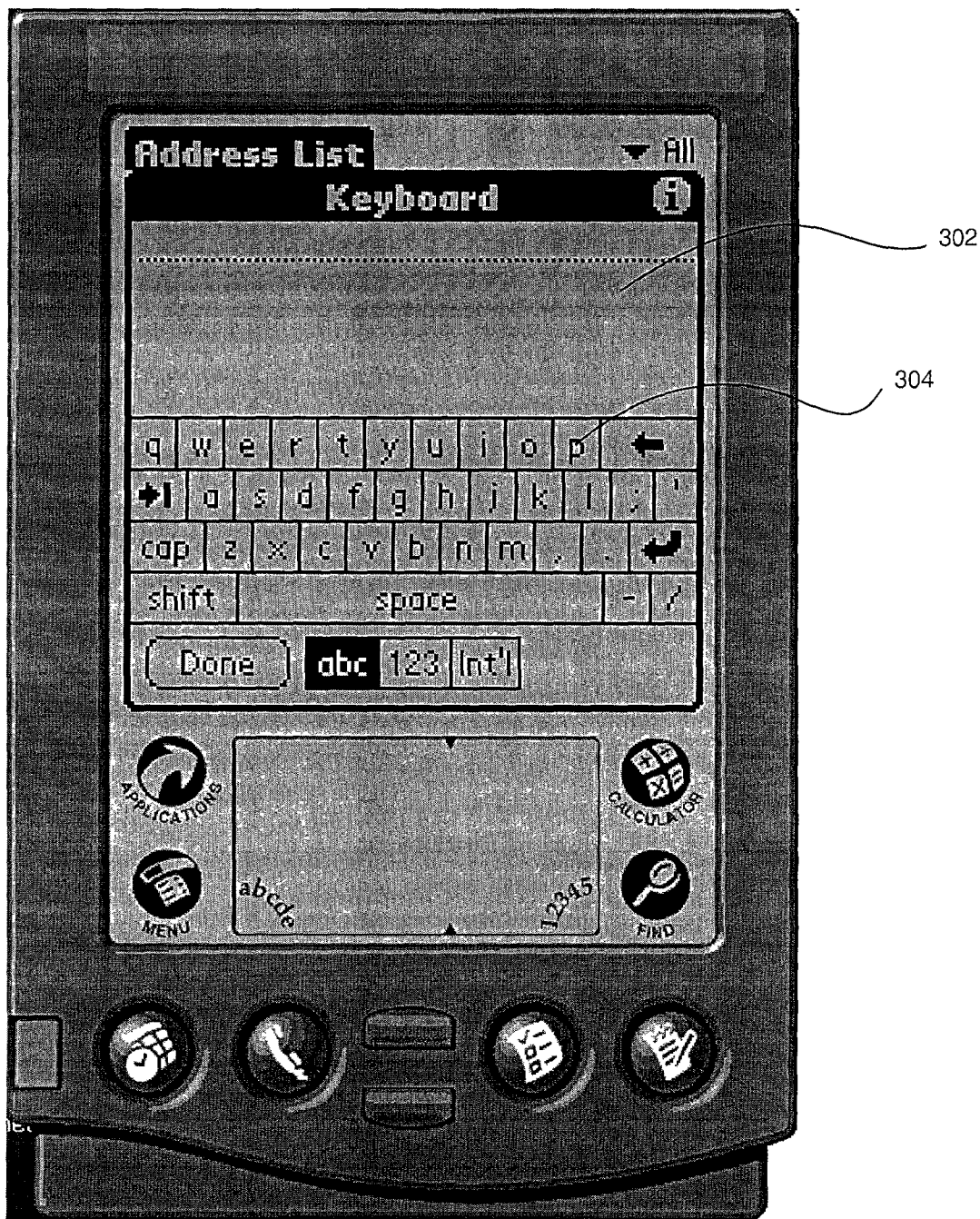


Figure 2

# Figure 3



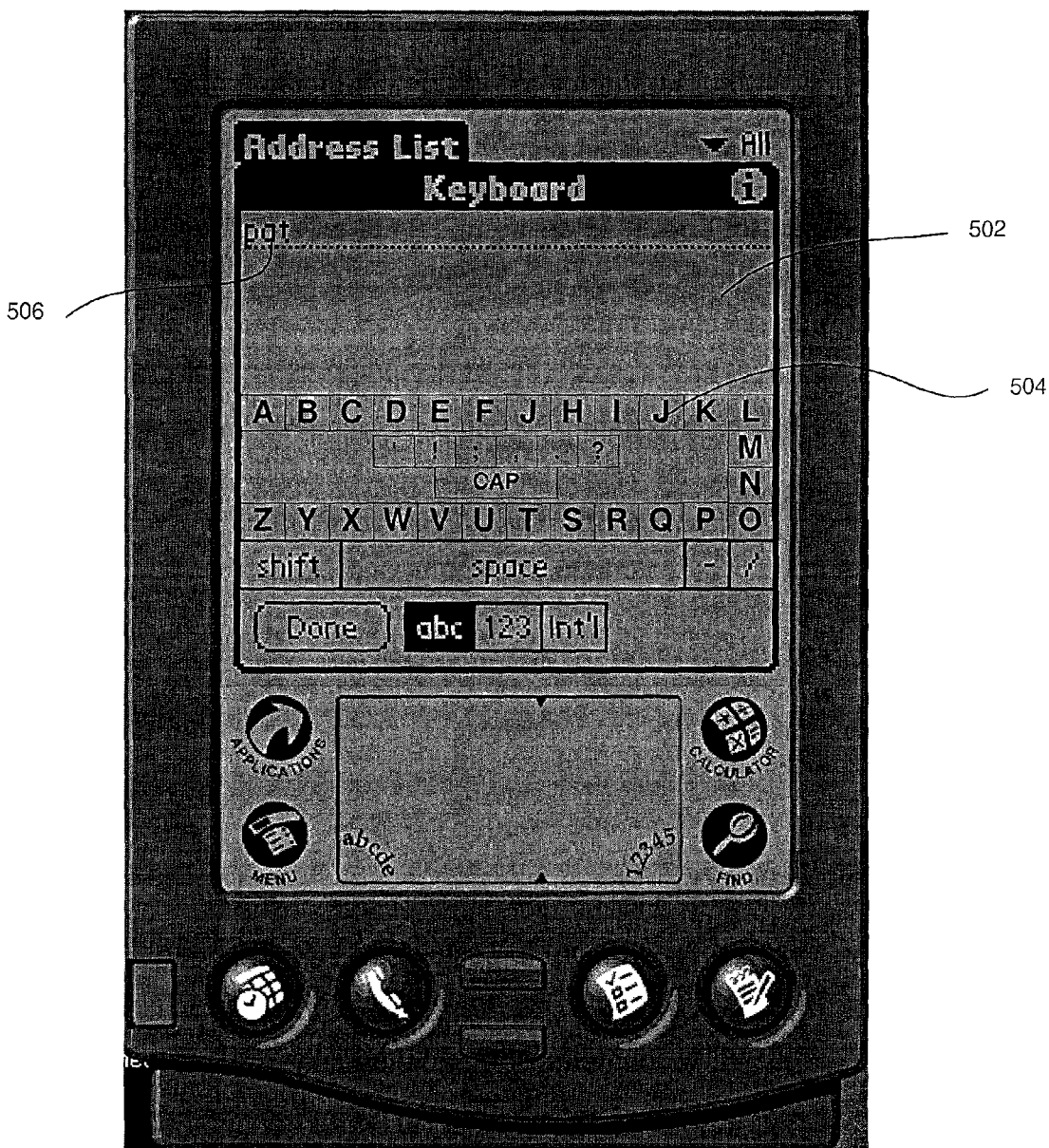
300



Figure 4



# Figure 5



500



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