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

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(57) **ABSTRACT**

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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.

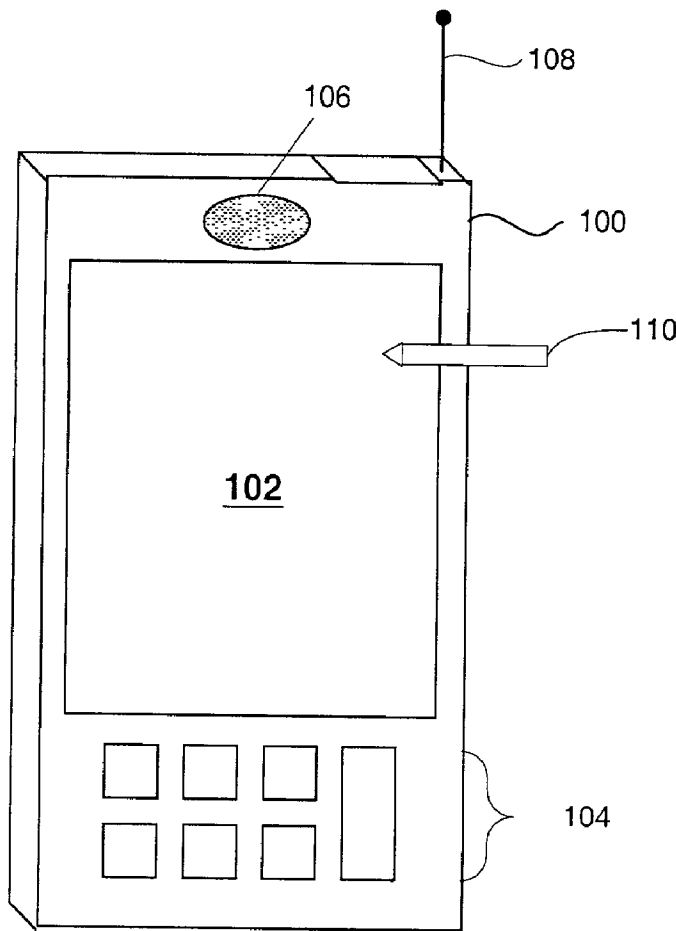
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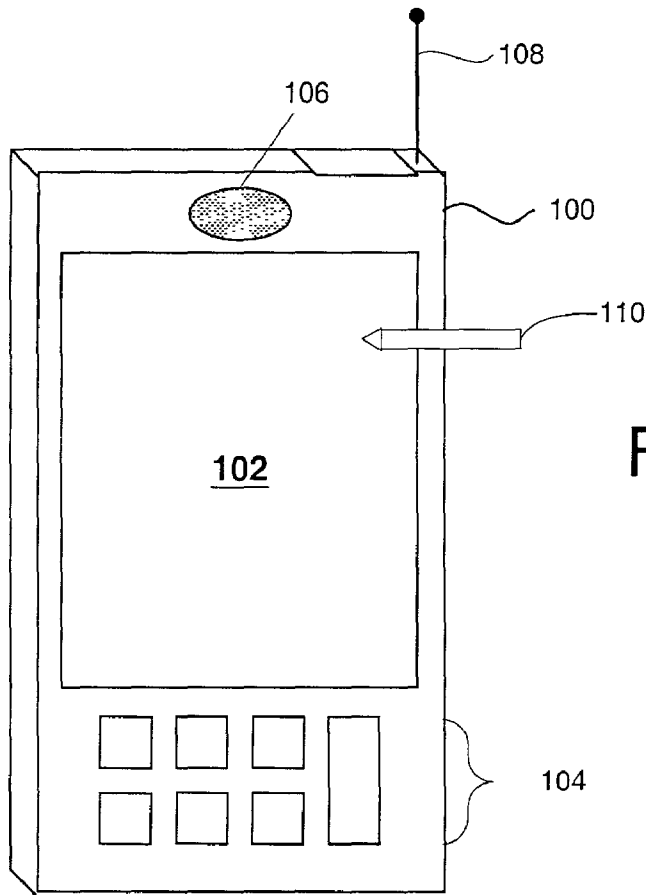


Figure 1

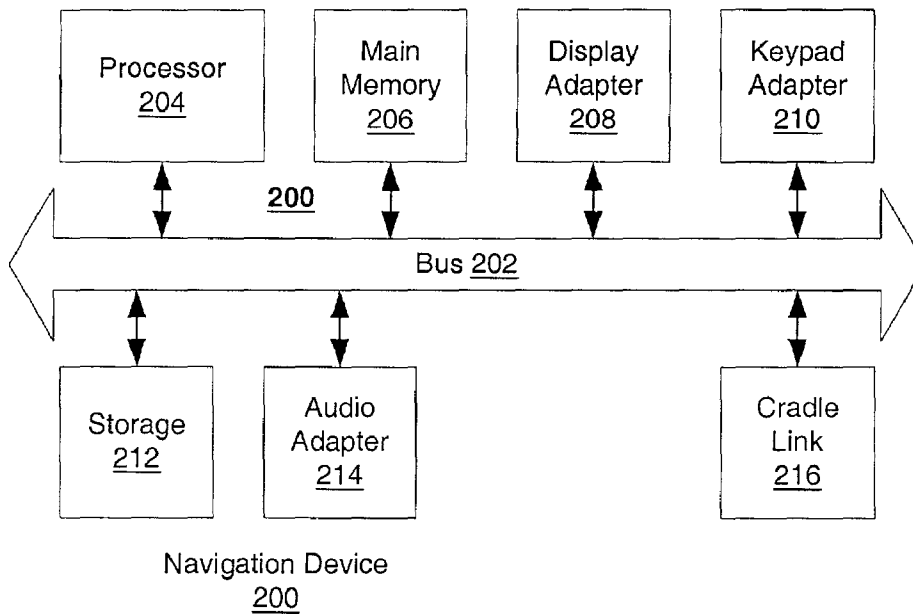
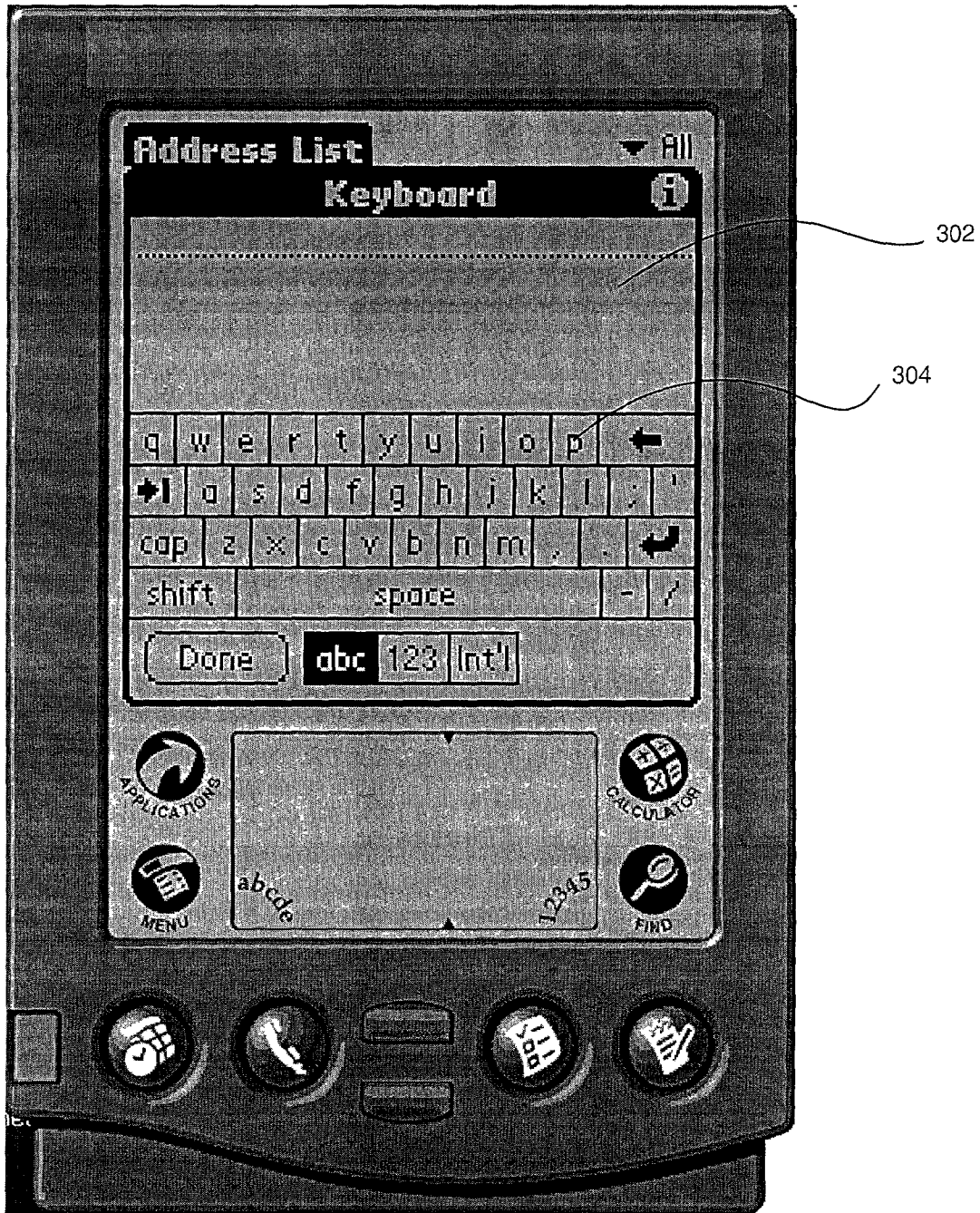


Figure 2

# Figure 3

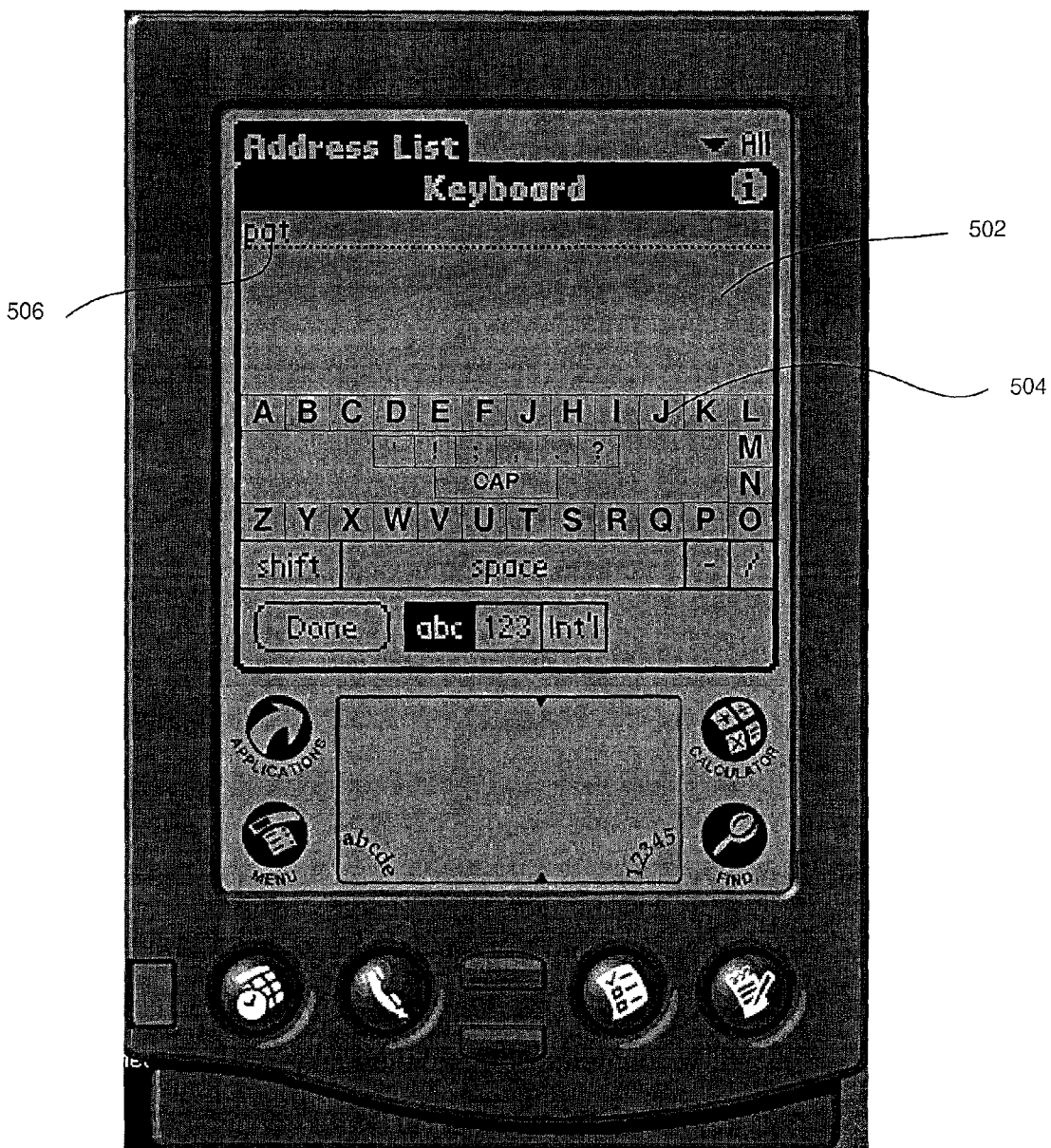


300

Figure 4



Figure 5



500

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