

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

(10) **Patent No.:** **US 6,593,949 B1**
 (45) **Date of Patent:** **Jul. 15, 2003**

(54) **SMART COLUMN FOR CONTACT INFORMATION ON PALM-SIZED COMPUTING DEVICES AND METHOD AND APPARATUS FOR DISPLAYING THE SAME**

(51) **Int. Cl.⁷** **G06F 3/00**
 (52) **U.S. Cl.** **345/841; 345/157**
 (58) **Field of Search** **345/157, 169, 345/173, 863, 762, 763, 764, 841**

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(57) **ABSTRACT**

The UI of the present invention increases the number of contacts initially shown to the user of a hand-held device to aid the user in finding information in a Contacts database. While displaying a list of Contacts database entries, the UI displays a column which contains single letters indicating the type of information displayed for the names represented in the list of entries. A tap on a letter in that column causes a sub-list of other most commonly needed information to be deployed for the corresponding entry, potentially eliminating the need for the user to open the entire record for that entry.

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

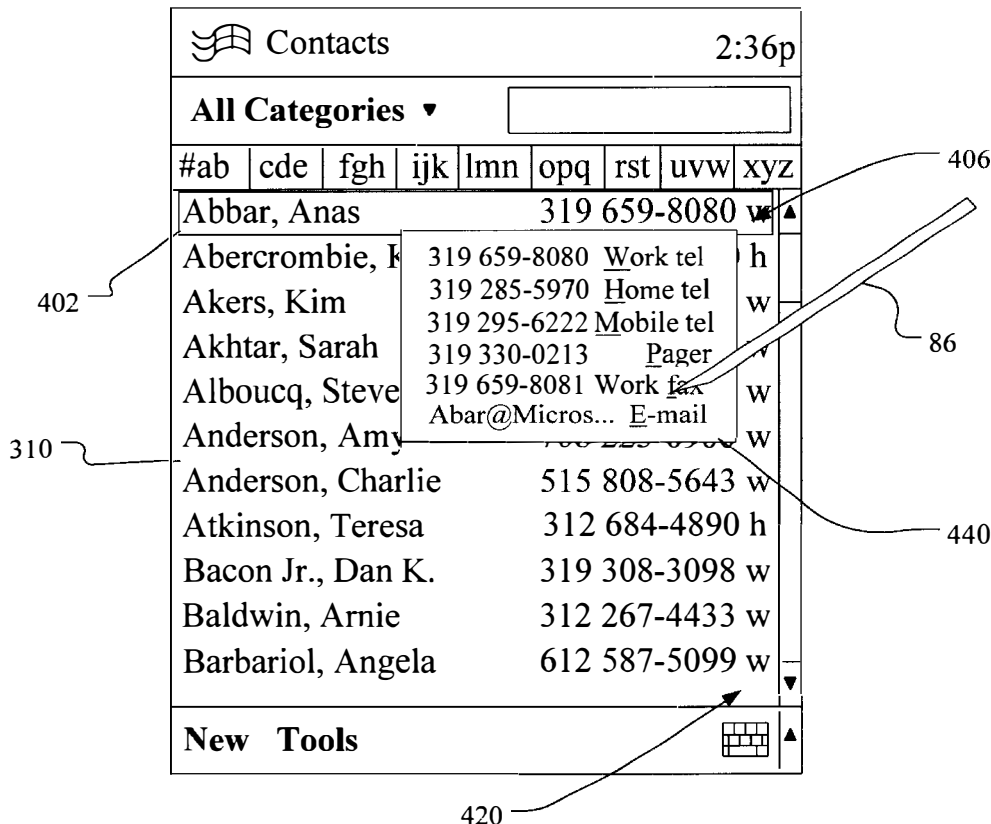
(21) **Appl. No.:** **09/564,515**

(22) **Filed:** **May 4, 2000**

Related U.S. Application Data

(60) **Provisional application No. 60/175,109**, filed on Jan. 6, 2000.

19 Claims, 11 Drawing Sheets



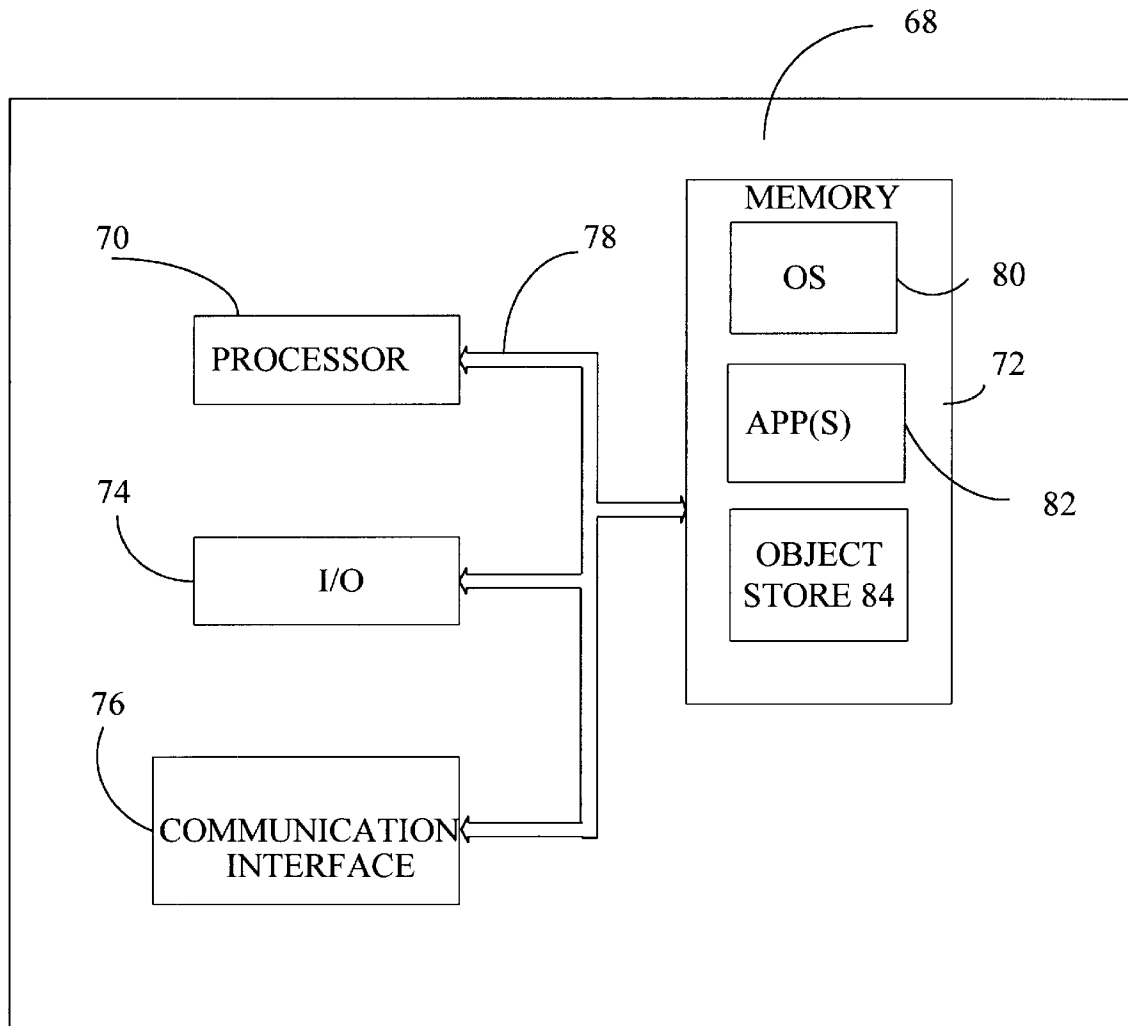


FIG. 1

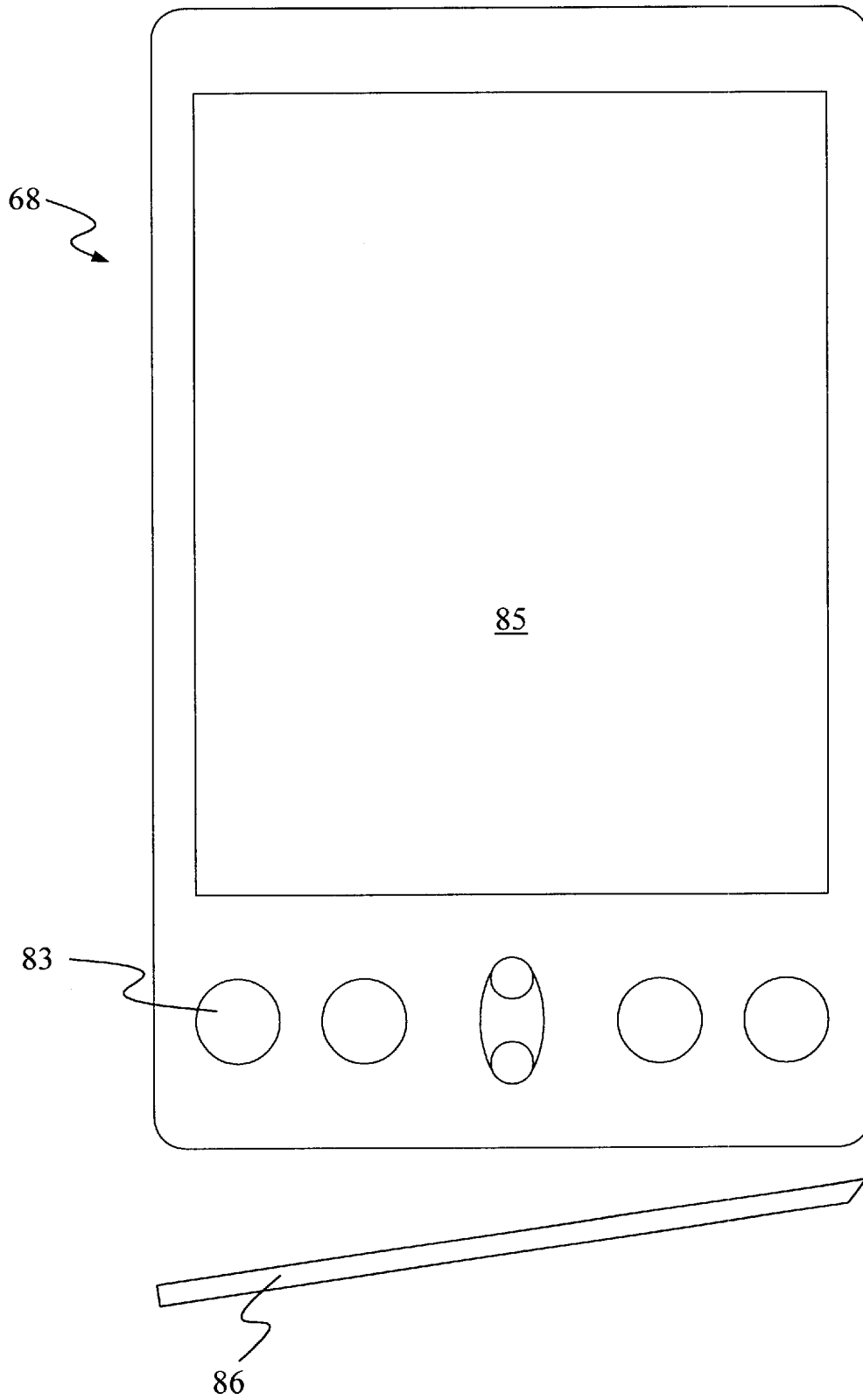


FIG. 2

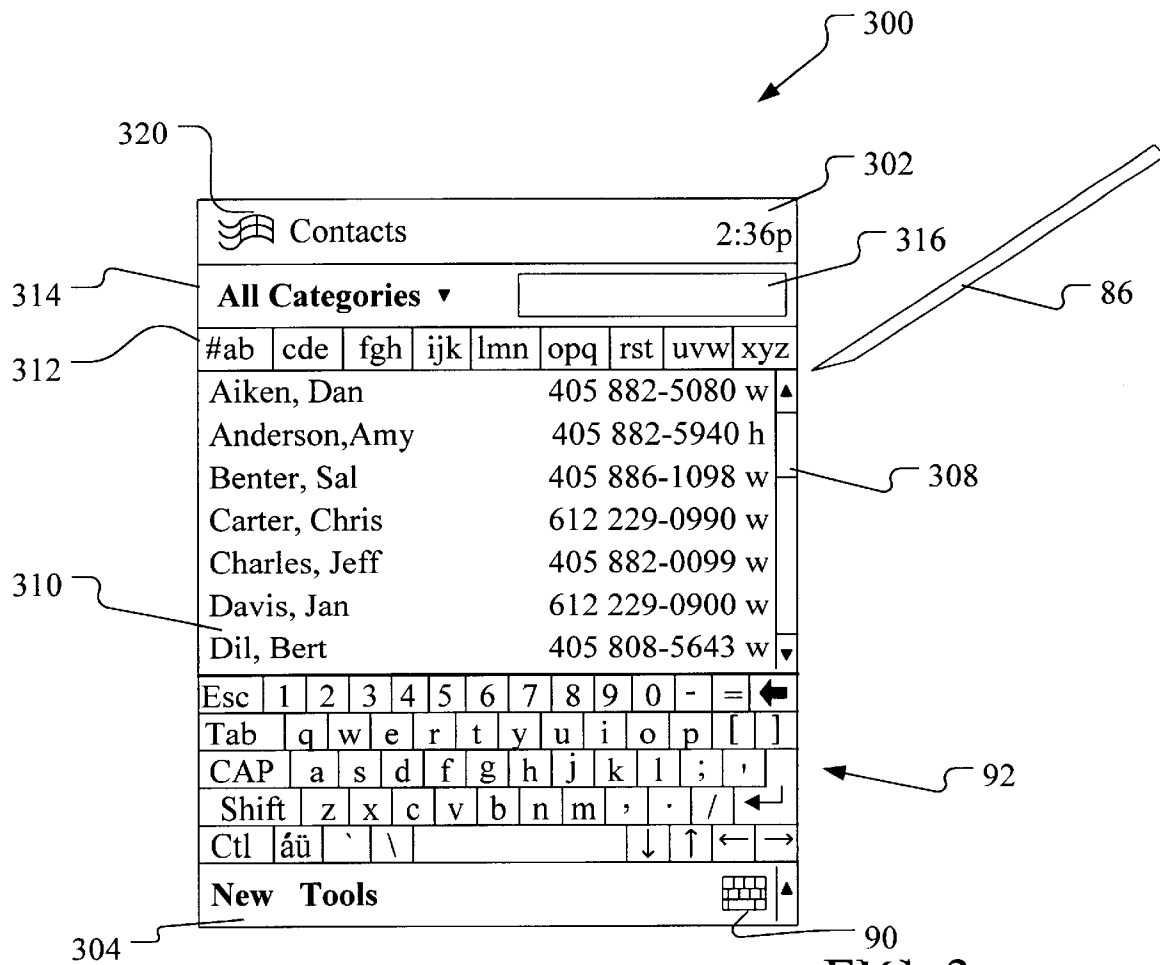
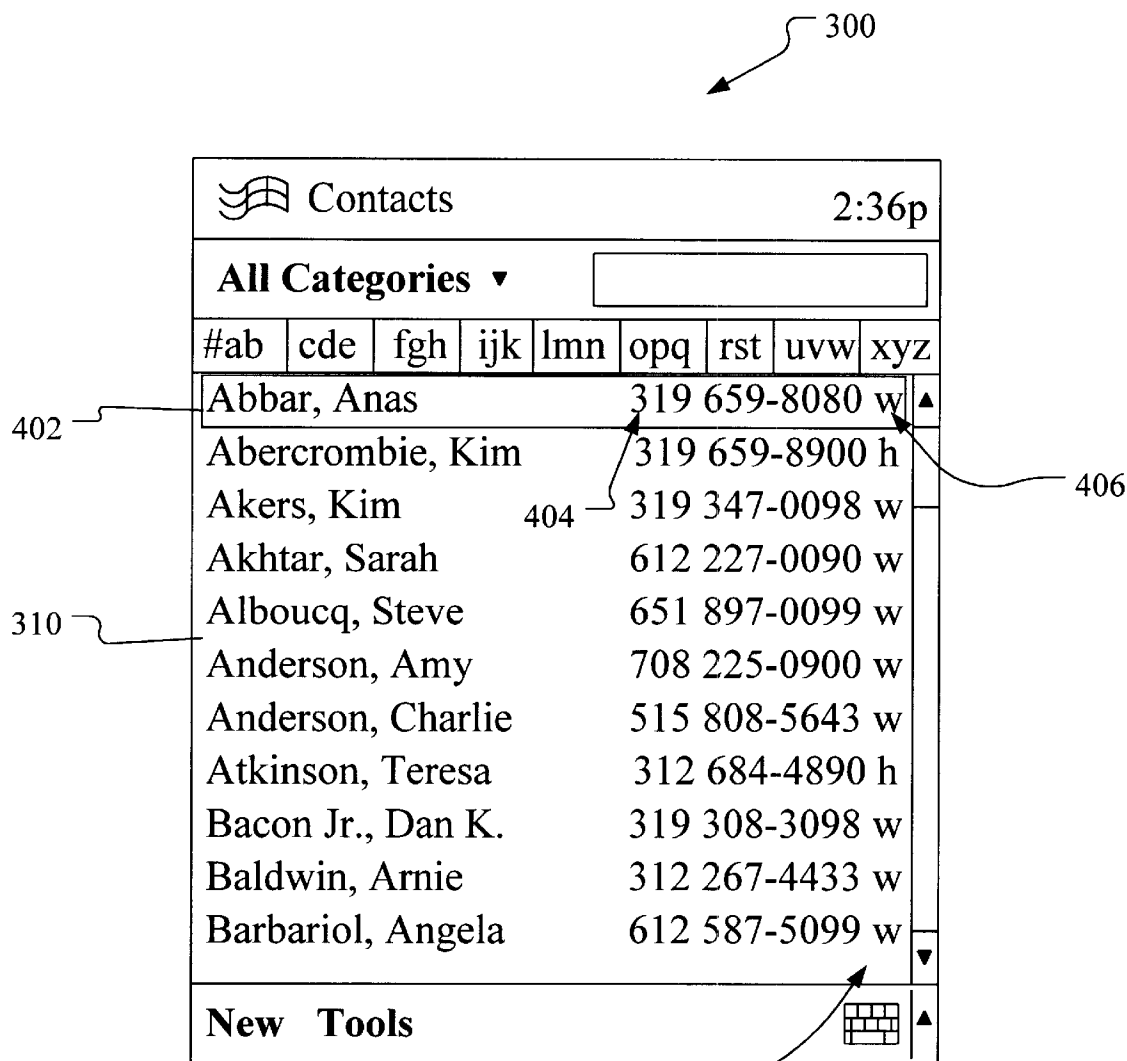


FIG. 3



420 FIG. 4

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