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### (12) United States Patent Holmström et al.

### (54) MAN MACHINE INTERFACE HELP SEARCH TOOL

- (75) Inventors: Tomas Holmström, Dalby; Johanna Isberg; Hassan Mahini, both of Lund, all of (SE)
- (73) Assignee: Telefonaktiebolaget LM Ericsson (publ), Stockholm (SE)
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(10) Patent No.:

(45) Date of Patent:

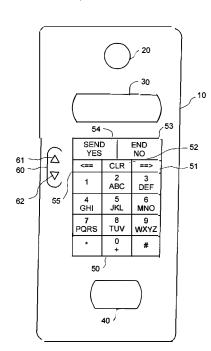
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Primary Examiner—Thanh Cong Le (74) Attorney, Agent, or Firm—Burns, Doane, Swecker & Mathis, L.L.P.

### (57) ABSTRACT

A man-machine interface (MMI) help and search tool in association with a menu structure and selection capability is disclosed. According to an exemplary embodiment, the mobile phone and more specifically the MMI are provided with a help search function to instruct the user how to find, activate, or select a desired function of the phone. The user may search for any and all commands regarding a specific subject of interest to the user. The search tool is intelligent and may be used to identify a specific command or function or to conduct a search based on a letter or partial command to provide listings and instructions for any number or series of related commands in a specific subject area. When the user has found the desired command the search tool may be used to explain how the command is accessed and activated and allow the user to automatically go to that menu or execute that command. The search tool can easily be accessed from any number of menus for example, via a hard or soft button can be placed in a search mode and use the initials of the functions or commands as to find and execute a desired function quickly without having to step through various levels of menus.

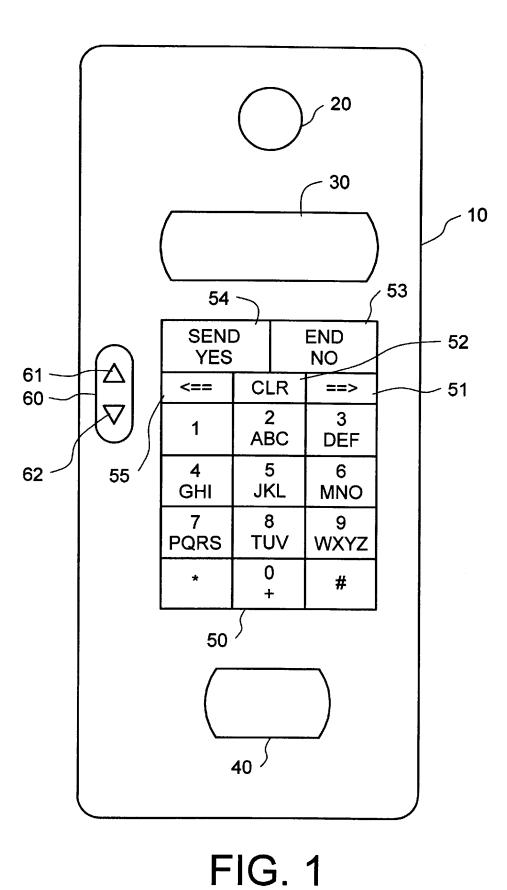
### 23 Claims, 6 Drawing Sheets



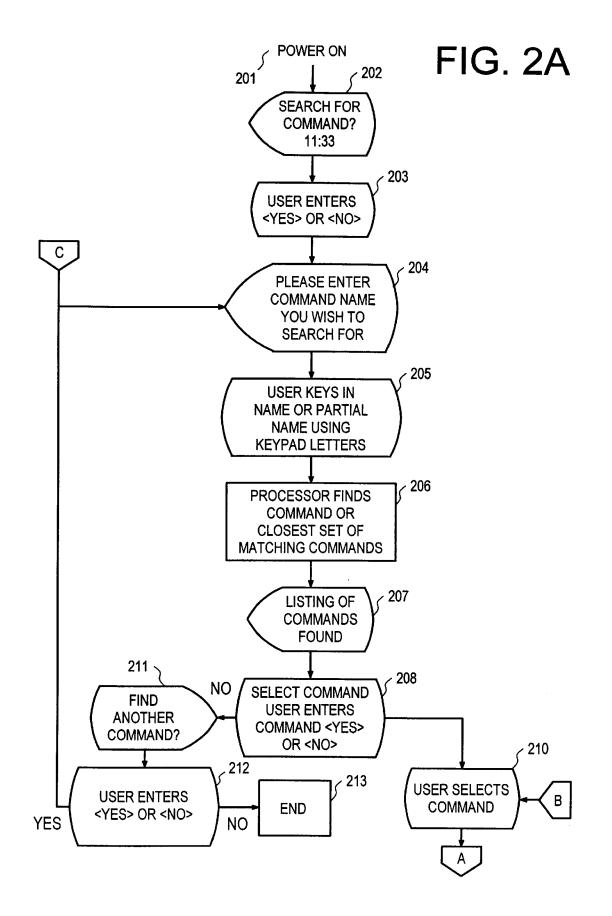
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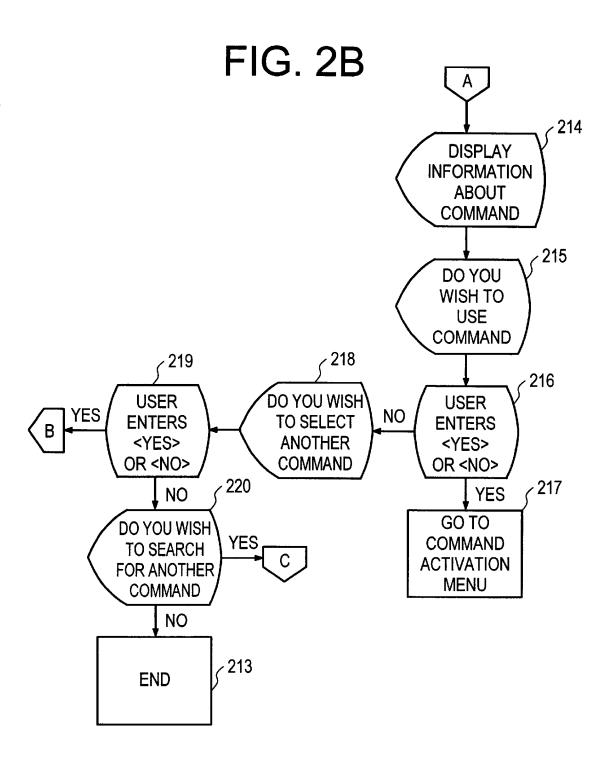


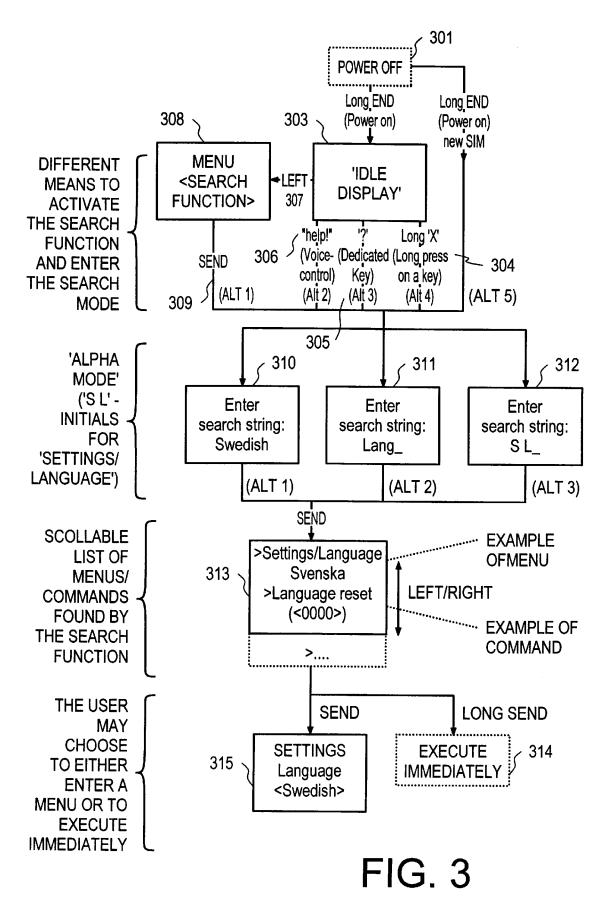
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