[0029] FIG. **5** illustrates the use of a user interface for alerts that can be embodied in the mobile terminal of FIG. **2**.

[0030] FIG. **6** illustrates the use of a user interface for activity monitoring that can be embodied in the mobile terminal of FIG. **2**.

[0031] FIG. **7** is a flow chart illustrating a method according to an embodiment that can be executed in the mobile terminal of FIG. **2**.

DETAILED DESCRIPTION OF EMBODIMENTS

[0032] The disclosed embodiments will now be described more fully hereinafter with reference to the accompanying drawings, in which certain embodiments of the invention are shown. This invention may, however, be embodied in many different forms and should not be construed as limited to the embodiments set forth herein; rather, these embodiments are provided by way of example so that this disclosure will be thorough and complete, and will fully convey the scope of the invention to those skilled in the art. Like numbers refer to like elements throughout.

[0033] FIG. **1** illustrates an example of a cellular telecommunications system in which the invention may be applied. In the telecommunication system of FIG. **1**, various telecommunications services such as cellular voice calls, www/wap browsing, cellular video calls, data calls, facsimile transmissions, music transmissions, still image transmissions, video transmissions, electronic message transmissions and electronic commerce may be performed between a mobile terminal **100** according to the disclosed embodiments and other devices, such as another mobile terminal **106** or a stationary telephone **119**. It is to be noted that for different embodiments of the mobile terminal **100** and in different situations, different ones of the telecommunications services referred to above may or may not be available; the invention is not limited to any particular set of services in this respect. The mobile terminal **100** is connected to local devices **101**, e.g. a headset, using a local connection, e.g. Bluetooth™ or infrared light.

[0034] The mobile terminals **100**, **106** are connected to a mobile telecommunications network **110** through RF links **102**, **108** via base stations **104**, **109**. The mobile telecommunications network **110** may be in compliance with any commercially available mobile telecommunications standard, such as GSM, UMTS, D-AMPS, CDMA2000, FOMA and TD-SCDMA.

[0035] The mobile telecommunications network **110** is operatively connected to a wide area network **112**, which may be Internet or a part thereof. A server **115** has a data storage **114** and is connected to the wide area network **112**, as is an Internet client computer **116**.

[0036] A public switched telephone network (PSTN) **118** is connected to the mobile telecommunications network **110** in a familiar manner. Various telephone terminals, including the stationary telephone **119**, are connected to the PSTN **118**.

[0037] An front view of an embodiment **200** of the mobile terminal **100** is illustrated in more detail in FIG. **2***a*. The mobile terminal **200** comprises a speaker or earphone **222**, a microphone **225**, a display **223** and a set of keys **224**.

[0038] FIG. **2***b* is a side view of the mobile terminal **200**, where the keypad **224** can be seen again. Furthermore, parts of a haptic array **226** can be seen on the back of the mobile terminal **200**. It is to be noted that the haptic array **226** does not need to be located on the back of the mobile terminal **200**; the haptic array **226** can equally be located on the front face, next to the display **223** or on any of the side faces. Optionally, several haptic arrays **226** can be provided on one or more faces.

[0039] FIG. **2***c* is a back view of the mobile terminal **200**. Here the haptic array **226** can be seen in more detail. This haptic array comprises a number of haptic elements **227**, **228** arranged in a matrix. The state of each haptic element **227**, **228** can be controlled by the controller (**331** of FIG. **3**) in at least a raised state and a lowered state. The haptic element **227** is in a raised state, indicated in FIG. **2***c* by a filled circle, and the haptic element **228** is in a lowered state, indicated in FIG. **2***c* by a circle outline. Optionally, as a further refinement, the haptic elements **227**, **228** are controllable to states between the raised and the lowered states. As the user can feel the difference between a lowered and a raised element, output information can be conveyed to the user from the controller (**331** of FIG. **3**) by controlling the elements of the haptic array **226** in different combinations. Furthermore, user contact with haptic elements can be detected and fed to the controller (**331** of FIG. **3**). In other words, when the user presses or touches one or more haptic elements, this can be interpreted as user input by the controller, using information about which haptic element the user has pressed or touched. The user contact with the haptic element can be detected in any suitable way, e.g. mechanically, using capacitance, inductance, etc. The user contact can be detected in each haptic element or in groups of haptic elements. Optionally, the user contact can be detected by detecting a change, e.g. in resistance or capacitance, between a haptic element in question and one or more neighboring haptic elements. The controller can thus detect when the user presses haptic elements, and also which haptic elements that are affected. Optionally, information about intensity, e.g. pressure, is also provided to the controller.

[0040] The internal component, software and protocol structure of the mobile terminal **200** will now be described with reference to FIG. **3**. The mobile terminal has a controller **331** which is responsible for the overall operation of the mobile terminal and is preferably implemented by any commercially available CPU ("Central Processing Unit"), DSP ("Digital Signal Processor") or any other electronic programmable logic device. The controller **331** has associated electronic memory **332** such as RAM memory, ROM memory, EEPROM memory, flash memory, hard drive, optical storage or any combination thereof. The memory **332** is used for various purposes by the controller **331**, one of them being for storing data and program instructions for various software in the mobile terminal. The software includes a real-time operating system **336**, drivers for a man-machine interface (MMI) **339**, an application handler **338** as well as various applications. The applications can include a media player application **340**, an alarm application **341**, as well as various other applications **342**, such as applications for voice calling, video calling, web browsing, messaging, document reading and/or document editing, an instant messaging application, a phone book application, a calendar application, a control panel application, one or more video games, a notepad application, etc.

[0041] The MMI **339** also includes one or more hardware controllers, which together with the MMI drivers cooperate with the haptic array **326**, the display **323**/**223**, keypad **324**/**224**, as well as various other I/O devices **329** such as microphone, speaker, vibrator, ringtone generator, LED indicator, etc. As is commonly known, the user may operate the mobile terminal through the man-machine interface thus formed. The