

Memory (EEPROM), a Programmable Read-Only Memory (PROM), a magnetic memory, a magnetic disk, an optical disk, and the like. Also, the mobile terminal **100** may cooperate with a network storage device that performs the storage function of the memory **160** over a network connection.

**[0074]** The controller **180** (such as a microprocessor or the like) typically controls the general operations of the mobile terminal. For example, the controller **180** performs controlling and processing associated with voice calls, data communications, video calls, and the like. In addition, the controller **180** may include a multimedia module **181** for reproducing (or playing back) multimedia data. The multimedia module **181** may be configured within the controller **180** or may be configured to be separate from the controller **180**.

**[0075]** The controller **180** may perform a pattern recognition processing to recognize a handwriting input or a picture drawing input performed on the touch screen as characters or images.

**[0076]** The power supply unit **190** receives external power (via a power cable connection) or internal power (via a battery of the mobile terminal) and supplies appropriate power required for operating respective elements and components under the control of the controller **180**.

**[0077]** Various embodiments as described herein may be implemented in a computer-readable medium using, for example, computer software, hardware, or any combination thereof.

**[0078]** For hardware implementation, the embodiments described herein may be implemented by using at least one of application specific integrated circuits (ASICs), digital signal processors (DSPs), digital signal processing devices (DSPDs), programmable logic devices (PLDs), field programmable gate arrays (FPGAs), processors, controllers, micro-controllers, microprocessors, electronic units designed to perform the functions described herein. In some cases, such embodiments may be implemented in the controller **180**.

**[0079]** For software implementation, the embodiments such as procedures or functions may be implemented together with separate software modules that allow performing of at least one function or operation. Software codes can be implemented by a software application (or program) written in any suitable programming language. The software codes may be stored in the memory **160** and executed by the controller **180**.

**[0080]** So far, the mobile terminal has been described from the perspective of its functions. Hereinafter, external elements of the mobile terminal will be described from the perspective of their functions with reference to FIGS. **2** and **3**.

**[0081]** The mobile terminal may be implemented in a variety of different configurations. Examples of such configurations include folder-type, bar-type, swing-type, a slide type, as well as various other configurations. The following description will primarily relate to a slide-type mobile terminal. However, such description can equally apply to other types of mobile terminals.

**[0082]** FIG. **2** is a front perspective view of the mobile terminal according to an embodiment of the present invention.

**[0083]** The mobile terminal **100** according to the present invention includes a first body **200**, and a second body **205** that can be slidably moved along at least one direction with respect to the first body **200**. In case of a folder type mobile

phone, the mobile terminal **100** may include a first body and a second body having one side that can be folded or unfolded with respect to the first body.

**[0084]** A state in which the first body is disposed to overlap with the second body **205** may be called a closed configuration, and as shown in FIG. **2**, a state in which at least a portion of the second body **205** is exposed may be called an open configuration.

**[0085]** Although not shown, the mobile terminal according to the present invention may be the folder type mobile terminal including the first body and the second body having one side to be folded or unfolded with respect to the first body. Here, a state in which the second body is folded may be called a closed configuration, and a state in which the second body is unfolded may be called an open configuration.

**[0086]** In addition, although not shown, the mobile terminal according to the present invention may be a swing type mobile terminal including a first body and a second body configured to be swingable with respect to the first body. Here, a state in which the first body is disposed to overlap with the second body may be called a closed configuration, and a state in which the second body is swung to expose a portion of the first body may be called an open configuration.

**[0087]** The folder type mobile terminal and the swing type mobile terminal can be easily known by the person in the art without any explanation, so its detailed description will be omitted.

**[0088]** In the closed configuration, the mobile terminal mainly operates in a standby (or idle) mode, and the standby mode may be released upon user manipulation. The mobile terminal operates mainly in the calling mode or the like in the open configuration, and it can be changed to the standby mode with the lapse of time or upon user manipulation.

**[0089]** The case (or casing, housing, cover, etc.) constituting the external appearance of the first body **200** may include a first front case **220** and a first rear case **225**. Various electronic components are installed in the space between the first front case **220** and the first rear case **225**. One or more intermediate cases may be additionally disposed between the first front case **220** and the first rear case **225**.

**[0090]** The cases may be formed by injection-molding a synthetic resin or may be made of a metallic material such as stainless steel (STS) or titanium (Ti), etc.

**[0091]** The display unit **151**, the audio output module **152**, the camera **121** or the first user input unit **210** may be located at the first body, **200**, specifically, on the first front case **220** of the first body **200**.

**[0092]** The display unit **151** may include an LCD (Liquid Crystal Display), an OLED (Organic Light Emitting Diode), and the like, that visually displays information.

**[0093]** A touch pad may be overlaid in a layered manner on the display unit **151** to allow the display unit **151** to function as a touch screen to input information via user gestures or touch inputs.

**[0094]** The audio output unit **152** may be implemented in the form of a speaker or other sound producing device.

**[0095]** The camera **121** may be implemented to be suitable for capturing images or video with respect to the user and other objects.

**[0096]** Like the first body **200**, the case constituting the external appearance of the second body **205** may include a second front case **230** and a second rear case **235**.