

with a presence or non-presence of power supply by the power supply unit **190**, a presence or non-presence of connection between the interface unit **170** and an external device, and the like.

[0072] The interface unit **170** plays a role in coupling the communication terminal **100** with external devices. For instance, examples of the external devices can include, but are not limited to, wire/wireless headphones, external chargers, wire/wireless data ports, card sockets (e.g., memory card socket, SIM/UIM card socket), audio I/O (input/output) ports, video I/O (input/output) ports, earphones, etc.

[0073] The interface unit **170** receives data or is supplied with power from an external device and then delivers the received data or power to the corresponding element(s) of the communication terminal **100**. And, the interface unit **170** enables data within the communication terminal **100** to be transferred to an external device.

[0074] The output unit **150** is provided to output audio, video and alarm signals as well as any other information or data. The output unit **150** can include the display module **151**, an audio output module **152**, an alarm output module **152**, and the like.

[0075] The display module **151** displays information processed by the communication terminal **100**. For instance, if the communication terminal **100** is in a phone call mode, the display module **151** displays UI (user interface) or GUI (graphic user interface) associated with a phone call. If the communication terminal **100** is in a video call mode or a photographing mode, the display module **151** displays a photographed and/or received image or the UI or GUI.

[0076] As mentioned in the foregoing description, in case that the display module **151** and the touchpad construct the mutual layer structure to configure a touchscreen, the display module **151** can be used as an input device as well as an output device.

[0077] The display module **151** can include at least one of a liquid crystal display, a thin film transistor-liquid crystal display, an organic light-emitting diode display, a flexible display, a 3-dimensional display, a CRT, and the like.

[0078] And, there can exist at least two display modules **151** according to the implementation of the communication terminal **100**. For instance, the communication terminal **100** can be provided with both an external display module and an internal display module.

[0079] The audio output module **152** outputs audio data, which is received from the wireless communication unit **110** or stored in the storage unit **160**, in one of a call signal receiving mode, a phone call mode, a recording mode, a voice recognition mode, a broadcast reception mode, and the like.

[0080] And, the audio output module **152** outputs an audio signal (e.g., call signal received sound, message received sound, etc.) associated with a function executed by the communication terminal **100**. Moreover, the audio output module **152** can include at least one of a speaker, a buzzer, and the like.

[0081] The alarm output module **153** outputs a signal for announcing an event occurrence of the communication terminal **100**. Events occurring in the communication terminal include a call signal reception, a message reception, a key signal input, and the like.

[0082] The alarm output module **153** is able to output a signal for announcing an event occurrence in a form different from that of an audio or video signal. For instance, the alarm output module **153** can output a signal in a form of vibration.

[0083] If an alarm call signal or a message is received, the alarm output module **153** can output vibration to announce the reception of the call signal or the message. If a key signal is inputted, the alarm output module **153** is able to output vibration as a feedback for the key signal input.

[0084] Through the vibration outputs, a user is able to recognize the event occurrences. Of course, a signal for announcing an event occurrence can be outputted via the display module **151** and/or the audio output module **152**.

[0085] The storage unit **160** can store data and programs for processing and controlling the operations of the communication terminal **100** and is able to execute a function of storing input/output data (e.g., phonebook, message, still picture, moving picture, etc.) temporarily.

[0086] The storage unit **160** includes at least one storage medium corresponding to a flash memory, a hard disc, a multimedia card micro-type memory, a card type memory (e.g., SD memory, XD memory, etc.), a RAM, a ROM, and the like.

[0087] And, the communication terminal **100** may manage a web storage for performing a storage function of the storage unit **150** on the Internet or other network such as intranet, extranet, etc.

[0088] The control unit **180** controls the overall operations of the communication terminal. For instance, the control unit **180** performs the control and processing associated with voice phone call, data communication, video call and the like. And, the control unit **180** can include a multimedia playing module **181** for multimedia playback and/or recording.

[0089] In this case, the multimedia playing module **181** can include hardware within the control unit **180** and/or software separate from the control unit **180**.

[0090] And, the power supply unit **190** receives an external or internal power and then supplies the received power necessary for the operations of the respective elements, under the control of the control unit **180**.

[0091] In the above description, the communication terminal according to the present invention is observed in aspect of the elements according to its functions. And, the communication terminal according to an embodiment of the present invention will be explained in aspect of elements according to its exterior with further reference to FIG. **2** and FIG. **3** as follows.

[0092] The present invention is applicable to various communication terminals such as a folder type communication terminal, a bar type communication terminal, a swing type communication terminal, a slider type portable, and the like. Further, some examples of the communication terminal include, but are not limited to, a mobile phone, a smart device, a computer notebook, a PDA, etc.

[0093] For convenient and concise explanation of the present invention, the slider type communication terminal is taken as an example for an embodiment of the present invention in the following description. Namely, the present invention is not limited to the slider type communication terminal only but applicable to the various types of the communication terminals.

[0094] FIG. **2** is a front perspective diagram of a communication terminal according to one embodiment of the present invention.

[0095] Referring to FIG. **2**, a communication terminal according to one embodiment of the present invention includes a first body **100A** and a second body **100B** configured slidable on the first body **100A** in at least one direction.