

## INTEGRATED BATTERY SEAT OF MOBILE TELEPHONE

### BACKGROUND OF THE INVENTION

[0001] 1. Field of the Invention

[0002] The present invention relates to an integrated battery seat of a mobile telephone, and more particularly to an integrated battery seat of a mobile telephone, having the functions of a digital camera and a digital recorder, thereby enhancing the integrated function of the mobile telephone.

[0003] 2. Description of the Related Art

[0004] A conventional mobile telephone has various variations in its outer configuration, thereby enhancing the aesthetic quality of the mobile telephone. In addition, the modem mobile telephone may be made light, thin, and short, thereby facilitating the user carrying and using the mobile telephone. However, the conventional mobile telephone does not have the functions of a digital camera and a digital recorder, thereby greatly limiting the versatility of the conventional mobile telephone.

### SUMMARY OF THE INVENTION

[0005] The present invention has arisen to mitigate and/or obviate the disadvantage of the conventional mobile telephone.

[0006] The primary objective of the present invention is to provide an integrated battery seat of a mobile telephone, wherein the related structures of a digital camera and a digital recorder may be contained in the residual space of the battery seat, and the battery contained in the inner portion of the battery seat may supply the required electric power, thereby forming a battery seat of a mobile telephone having the functions of a digital camera and a digital recorder, thereby enhancing the integrated function of the mobile telephone.

[0007] Another objective of the present invention is to provide an integrated battery seat of a mobile telephone, wherein the lens telescopic base having a lens and a viewfinder may be retractably mounted in the battery seat, without occupying space and without affecting the outer appearance of the battery seat of the mobile telephone.

[0008] A further objective of the present invention is to provide an integrated battery seat of a mobile telephone, wherein the battery seat includes a control circuit board having a digital signal processor for controlling the functions of a digital camera and a digital recorder, so that the battery seat may maintain its original size.

[0009] In accordance with the present invention, there is provided an integrated battery seat of a mobile telephone, comprising:

[0010] a control circuit board, mounted in an inner portion of a battery seat, and including a microprocessor, a memory, an image sensor, and an input/output interface, thereby forming a digital camera and digital recorder circuit;

[0011] a lens telescopic base, mounted in the battery seat, and capable of springing outward, the lens telescopic base including an image sensing lens a viewfinder;

[0012] a recorder push button set and a record hole for forming a peripheral structure to provide a function of a digital recorder; and

[0013] a shutter button, for taking digital images;

[0014] wherein, the battery seat of the mobile telephone has the functions of a digital camera and a digital recorder.

[0015] The battery seat has one side provided with a computer interface socket that is connected to the input/output interface of the control circuit board for connection with a computer.

[0016] The battery seat is provided with a lens release button for controlling operation of the lens telescopic base.

[0017] The battery seat is provided with an earphone hole for connection with an earphone.

[0018] The microprocessor is a structure that may be used to capture images and may be used for digital recording.

[0019] Further benefits and advantages of the present invention will become apparent after a careful reading of the detailed description with appropriate reference to the accompanying drawings.

### BRIEF DESCRIPTION OF THE DRAWINGS

[0020] **FIG. 1** is a perspective view of an integrated battery seat of a mobile telephone in accordance with the present invention;

[0021] **FIG. 2** is a perspective view of an integrated battery seat of a mobile telephone in accordance with the present invention;

[0022] **FIG. 3** is a schematic operational view of the integrated battery seat of a mobile telephone as shown in **FIG. 1** in use;

[0023] **FIG. 4** is a schematic operational view of the integrated battery seat of a mobile telephone as shown in **FIG. 1** in use;

[0024] **FIG. 5** is a structural schematic view of the integrated battery seat of a mobile telephone in accordance with the present invention; and

[0025] **FIG. 6** is a block view of a practical line of the integrated battery seat of a mobile telephone in accordance with the present invention.

### DETAILED DESCRIPTION OF THE INVENTION

[0026] Referring to the drawings and initially to **FIGS. 1 and 2**, an integrated battery seat of a mobile telephone in accordance with a preferred embodiment of the present invention has the functions of a digital camera and a digital recorder, so that the mobile telephone may be integrated to have multiple functions, thereby eliminating the inconvenience of having to carry a digital camera and a digital recorder additionally.

[0027] As shown in **FIGS. 1 and 2**, the inner space of the battery seat **10** is provided with control circuit boards of a digital camera and a digital recorder. The battery seat **10** has a first side provided with a play button **14**, an earphone hole **13**, a forward button **12**, and a rewind button **11** that are