

The Claims

1. A memory card operatively receivable in a digital camera, the memory card comprising a central processor,
a wireless transceiver module operatively connected to the central processor,
a storage module operatively connected to the central processor, and
a movement sensor operatively connected to the central processor and configured to measure gravitational acceleration and provide operational signals to the central processor as a result of a detection of movement of defined characteristics,
wherein at least one predetermined pattern of movement is stored in the central processor or storage module,
wherein the movement sensor is configured to detect and recognize an acceleration pattern on the basis of at least one acceleration of the digital camera and the at least one predetermined pattern of movement, and
the memory card is controlled for an action selected from a group consisting of: transmitting data, receiving data, uploading data, and instructing the digital camera to be in a mobile configuration.
2. The memory card as claimed in claim 1, wherein the movement sensor comprises a movement feedback device selected from the group consisting of: a uni-axial movement sensor, a bi-axial movement sensor, and a tri-axial movement sensor.
3. The memory card as claimed in claim 1 or 2, wherein the movement sensor is selected from the group consisting of: a motion sensor and an accelerometer.
4. The memory card as claimed in any one of claims 1 to 3, wherein the movement sensor further comprises an analog-to-digital converter.
5. The memory card as claimed in any one of claims 1 to 3, wherein the central processor further comprises an analog-to-digital converter.
6. The memory card as claimed in any one of claims 1 to 3 further comprising an analog-to-digital converter operatively connected to the movement sensor and the central processor.
7. A method as claimed in claim 1, wherein the at least one acceleration comprises at least one tap to one of: a body of the digital camera, a display of the digital camera, and a control of the digital camera.
8. A method as claimed in claim 7, wherein the at least one tap comprises a plurality of taps, the number of taps having different operational results.
9. A method as claimed in claim 1, wherein the at least one acceleration comprises at least one short, sharp shake of the digital camera.
10. A method as claimed in claim 1, wherein the at least one acceleration comprises at least one short, sharp rotation of the digital camera.

11. A method as claimed in any one of claims 7 to 10, wherein the movement sensor detects a movement of the movement sensor and, if the detected movement is not within at least one predetermined pattern of movement the detected movement is ignored; and if the detected movement is within the at least one predetermined pattern of movement at the central processor will undertake the instructed task.
12. A method as claimed in any one of claims 8 to 11, wherein the movement sensor produces an analog signal that is converted to a digital signal by an analog-to-digital converter, the analog-to-digital converter being in one of: the movement sensor, the central processor or as a separate component in the memory card and operatively connected to the movement sensor and the central processor.
13. A method for controlling the memory card as claimed in any one of claims 1 to 6,
wherein the movement sensor is configured to detect a pre-defined acceleration pattern on the basis of at least one acceleration of the memory card and thereafter the central processor executes a pre-specified set of instructions based on the number of successive accelerations, and
wherein the movement sensor detects a movement of the movement sensor and, if the detected movement is not within at least one predetermined pattern of movement the detected movement is ignored; and
if the detected movement is within the at least one predetermined pattern of movement at the central processor will undertake the instructed task.
14. A method as claimed in claim 13, wherein the at least one acceleration comprises at least one tap to one of: a body of the digital camera, a display of the digital camera, and a control of the digital camera.
15. A method as claimed in claim 14, wherein the at least one tap comprises a plurality of taps, the number of taps having different instructions executed.
16. A method as claimed in claim 13, wherein the at least one acceleration comprises at least one short, sharp shake of the digital camera.
17. A method as claimed in claim 13 or claim 16, wherein the at least one acceleration comprises at least one short, sharp rotation of the digital camera.
18. A method as claimed in any one of claims 13 to 17, wherein the movement sensor produces an analog signal that is converted to a digital signal by an analog-to-digital converter, the analog-to-digital converter being in one of: the movement sensor, the central processor or as a separate component in the memory card and operatively connected to the movement sensor and the central processor.
19. A method for controlling a digital camera with a memory card slot, using at least one predetermined pattern of movement, the method including:
inserting a memory card with a movement sensor into the memory card slot, the memory card being operatively received in the digital camera;

moving the digital camera using the at least one predetermined pattern of movement;
recognizing the at least one predetermined pattern of movement using the movement sensor and outputting an analog signal;
converting the analog signal to a digital signal using the movement sensor;
providing the digital signal from the movement sensor to a processor of the memory card;
instructing the digital camera to be in a mobile configuration;
wherein the digital camera is controllable using a separate telecommunications device in the mobile configuration; and
wherein the memory card performs an action selected from a group consisting of: transmitting data, receiving data, uploading data, and instructing the digital camera to be in the mobile configuration.

20. The method of claim 19, wherein the at least one predetermined pattern of movement is selected from a group consisting of: at least one tap on the digital camera, at least one short shake, at least one sharp shake and rotation of the digital camera.

21. The method of any one of claims 19 to 20, wherein the separate telecommunications device is a mobile telephone.

The Claims

1. A memory card operatively receivable in a digital camera, the memory card comprising a central processor,
a wireless transceiver module operatively connected to the central processor,
a storage module operatively connected to the central processor, and
a movement sensor operatively connected to the central processor and configured to measure gravitational acceleration and provide operational signals to the central processor as a result of a detection of movement of defined characteristics,
wherein at least one predetermined pattern of movement is stored in the central processor or storage module, and
wherein the movement sensor is configured to detect and recognize an acceleration pattern on the basis of at least one acceleration of the digital camera and the at least one predetermined pattern of movement.
2. The memory card as claimed in claim 1, wherein the movement sensor comprises a movement feedback device selected from the group consisting of: a uni-axial movement sensor, a bi-axial movement sensor, and a tri-axial movement sensor.
3. The memory card as claimed in claim 1 or 2, wherein the movement sensor is selected from the group consisting of: a motion sensor and an accelerometer.
4. The memory card as claimed in any one of claims 1 to 3, wherein the movement sensor further comprises an analog-to-digital converter.
5. The memory card as claimed in any one of claims 1 to 3, wherein the central processor further comprises an analog-to-digital converter.
6. The memory card as claimed in any one of claims 1 to 3 further comprising an analog-to-digital converter operatively connected to the movement sensor and the central processor.
7. A method for controlling a memory card as claimed in any one of claims 1 to 6, the memory card being controlled for an action selected from a group consisting of: transmitting data, receiving data, uploading data, and instructing the digital camera to be in a mobile configuration.
8. A method as claimed in claim 7, wherein the at least one acceleration comprises at least one tap to one of: a body of the digital camera, a display of the digital camera, and a control of the digital camera.
9. A method as claimed in claim 8, wherein the at least one tap comprises a plurality of taps, the number of taps having different operational results.
10. A method as claimed in claim 7, wherein the at least one acceleration comprises at least one short, sharp shake of the digital camera.

11. A method as claimed in claim 7 or claim 8, wherein the at least one acceleration comprises at least one short, sharp rotation of the digital camera.

12. A method as claimed in any one of claims 8 to 11, wherein the movement sensor detects a movement of the movement sensor and, if the detected movement is not within at least one predetermined pattern of movement the detected movement is ignored; and if the detected movement is within the at least one predetermined pattern of movement at the central processor will undertake the instructed task.

13. A method as claimed in any one of claims 7 to 12, wherein the movement sensor produces an analog signal that is converted to a digital signal by an analog-to-digital converter, the analog-to-digital converter being in one of: the movement sensor, the central processor or as a separate component in the memory card and operatively connected to the movement sensor and the central processor.

14. A method for controlling the memory card as claimed in any one of claims 1 to 6, the memory card being controlled for an action selected from a group consisting of: transmitting data, receiving data, uploading data, and instructing the digital camera to be in a mobile configuration, wherein the movement sensor is configured to detect a pre-defined acceleration pattern on the basis of at least one acceleration of the memory card and thereafter the central processor executes a pre-specified set of instructions based on the number of successive accelerations, and wherein the movement sensor detects a movement of the movement sensor and, if the detected movement is not within at least one predetermined pattern of movement the detected movement is ignored; and if the detected movement is within the at least one predetermined pattern of movement at the central processor will undertake the instructed task.

15. A method as claimed in claim 14, wherein the at least one acceleration comprises at least one tap to one of: a body of the digital camera, a display of the digital camera, and a control of the digital camera.

16. A method as claimed in claim 15, wherein the at least one tap comprises a plurality of taps, the number of taps having different instructions executed.

17. A method as claimed in claim 14, wherein the at least one acceleration comprises at least one short, sharp shake of the digital camera.

18. A method as claimed in claim 14 or claim 17, wherein the at least one acceleration comprises at least one short, sharp rotation of the digital camera.

19. A method as claimed in any one of claims 14 to 18, wherein the movement sensor produces an analog signal that is converted to a digital signal by an analog-to-digital converter, the analog-to-digital converter being in one of: the movement sensor, the central processor or as a separate component in the memory card and operatively connected to the movement sensor and the central processor.

20. A method for controlling a digital camera with a memory card slot, using at least one predetermined pattern of movement, the method including:
- inserting a memory card with a movement sensor into the memory card slot, the memory card being operatively received in the digital camera;
 - moving the digital camera using the at least one predetermined pattern of movement;
 - recognizing the at least one predetermined pattern of movement using the movement sensor and outputting an analog signal;
 - converting the analog signal to a digital signal using the movement sensor;
 - providing the digital signal from the movement sensor to a processor of the memory card;
 - and
 - instructing the digital camera to be in a mobile configuration;
- wherein the digital camera is controllable using a separate telecommunications device in the mobile configuration.
21. The method of claim 20, wherein the at least one predetermined pattern of movement is selected from a group consisting of: at least one tap on the host device, at least one short shake, at least one sharp shake and rotation of the host device.
22. The method of any one of claims 20 to 21, wherein the separate telecommunications device is a mobile telephone.