

wherein the processor translates the captured motion data into a scaled two-dimensional image that is completely rendered on the mobile device display.

2. The mobile device of claim 1 further comprising:

a stored set of reference characters; and

character recognition means executable by the processor for determining whether the scaled two-dimensional image substantially matches a character contained in the stored set of reference characters.

3. The mobile device of claim 2 wherein the processor determines the two-dimensional plane of motion tracked by the motion sensor to be parallel to the face of the mobile device.

4. The mobile device of claim 3 wherein the processor continuously re-determines the two-dimensional plane of motion tracked by the motion sensor to adjust for unintended subtle changes in the orientation of the mobile device.

5. The mobile device of claim 4 wherein motion having a component in a third-dimension perpendicular to the plane parallel to the face of the mobile device is ignored when translating the captured motion data into a scaled two-dimensional image that is completely rendered on the mobile device display.

6. The mobile device of claim 4 wherein motion having a component in a third-dimension perpendicular to the plane parallel to the face of the mobile device is representative of non-character input.

7. The mobile device of claim 6 wherein non-character input can include any of a space, a carriage return, or an end of character delineation.

8. The mobile device of claim 4 wherein detected a rapid change in the orientation of the face of the mobile device caused by an intentional twisting motion is used to manipulate the scaled two-dimensional image.

9. The mobile device of claim 8 wherein a sudden twisting motion can manipulate the scaled two-dimensional image by changing the default width of a line stroke thereby making part of the image bolder.

10. The mobile device of claim 1 wherein the motion sensor is comprised of an accelerometer.

11. The mobile device of claim 1 wherein the motion sensor is comprised of a gyroscopic device.

12. An elongated accessory for a mobile device that can detect and track motion and forward motion data to the mobile device for further processing, the accessory comprising:

a processor;

a wireless RF module;

a motion sensor contained within the accessory and coupled with the processor, the motion sensor capable of detecting, tracking, and capturing motion in a two-dimensional plane; and

a motion selector button disposed on the housing of the accessory and coupled with the processor, the motion selector button for actuating and de-actuating the motion sensor such that motion is only detected and motion data forwarded to the processor only while the motion selector button is actuated;

wherein the processor causes the wireless RF module to transmit the captured motion data.

13. The accessory of claim 12 further comprising:

a stored set of reference characters; and

character recognition means executable by the processor for determining whether the scaled two-dimensional image substantially matches a character contained in the stored set of reference characters.

14. The accessory of claim 13 wherein the processor determines the two-dimensional plane of motion tracked by the motion sensor to be perpendicular to the longitudinal axis of the elongated accessory.

15. The accessory of claim 14 wherein the processor continuously re-determines the two-dimensional plane of motion tracked by the motion sensor to adjust for unintended subtle changes in the orientation of the accessory.

16. The accessory of claim 15 wherein motion having a component in a third-dimension along the longitudinal axis of the elongated accessory is ignored.

17. The accessory of claim 15 wherein motion having a component in a third-dimension along the longitudinal axis of the elongated accessory is representative of non-character input.

18. The accessory of claim 17 wherein non-character input can include any of a space, a carriage return, or an end of character delineation.

19. The accessory of claim 15 wherein detected a rapid change in the orientation of the longitudinal axis of the elongated accessory caused by an intentional tilting motion is used to manipulate the scaled two-dimensional image.

20. The accessory of claim 19 wherein a sudden tilting motion can manipulate the scaled two-dimensional image by changing the default width of a line stroke thereby making part of the image bolder.

21. The accessory of claim 12 wherein the motion sensor is comprised of an accelerometer.

22. The accessory of claim 12 wherein the motion sensor is comprised of a gyroscopic device.

23. An elongated accessory for a mobile device that can detect and track motion and forward motion data to the mobile device for further processing via a direct cable connection between the mobile device and the accessory, the accessory comprising:

a motion sensor contained within the accessory and coupled with a processor in the mobile device via the cable connection, the motion sensor capable of detecting, tracking, and capturing motion in a two-dimensional plane; and

a motion selector button disposed on the housing of the accessory and coupled with the processor in the mobile device via the cable connection, the motion selector button for actuating and de-actuating the motion sensor such that motion is only detected and motion data forwarded to the processor in the mobile device only while the motion selector button is actuated.

24. The accessory of claim 23 wherein the motion sensor is comprised of an accelerometer.

25. The accessory of claim 23 wherein the motion sensor is comprised of a gyroscopic device.