CLAIMS

1. A display apparatus comprising:

a display screen to display information in a plurality of different regions;

a memory to store information for display on the different regions of the display screen;

a motion detecting arrangement to detect motion of the display apparatus;

a processor programmed to control the display of the information on the display screen in the different regions and responsive to motion detected by the motion detecting arrangement, to control the display screen to erase at least a part of the information displayed on the display screen, wherein the motion detecting arrangement is configured to detect a plurality of motion types, and the processor is programmed to identify the detected motion types and to selectively erase information displayed on the display screen in different regions in dependence upon the identified motion types; and

an input arrangement for the input of information for display, wherein the input arrangement includes a pen device and the display screen is touch sensitive for information input.

2. The display apparatus according to claim 1, wherein the processor is programmed to selectively erase at least a part of the information displayed on the display screen in different regions in response to shaking or reciprocating motion detected by the motion detecting arrangement that is greater than a threshold.

3. The display apparatus according to claim 1 or claim 2, wherein the processor is programmed to delete the erased displayed information in the memory.

4. The display apparatus according to any preceding claim, wherein the motion detecting arrangement is configured to detect a plurality of motion types in multiple directions, and the processor is programmed to identify the detected motion types and to selectively erase information displayed on the display screen in different regions in dependence upon the identified patterns.

5. A display apparatus comprising:

a display screen to display a plurality of types of information;

a memory to store information for display on the display screen;

a motion detecting arrangement to detect motion of the display apparatus; and

a processor programmed to control the display of the information on the display screen to display the different information types and responsive to motion detected by the motion detecting arrangement, to control the display screen to erase at least a part of the information displayed on the display screen, wherein the motion detecting arrangement is configured to detect a plurality of motion types, and the processor is programmed to identify the detected motion types and to selectively erase information types displayed on the display screen in dependence upon the identified motion types.

6. The display apparatus according to claim 5, wherein the processor is programmed to selectively erase the displayed information type in response to shaking or reciprocating motion detected by the motion detecting arrangement that is greater than a threshold.

7. The display apparatus according to claim 5 or claim 6, wherein the processor is programmed to delete the erased displayed information in the memory.

8. The display apparatus according to any one of claims 5 to 7, wherein the motion detecting arrangement is configured to detect a plurality of motion types in multiple directions, and the processor is programmed to identify the detected motion types and to selectively erase displayed information types in dependence upon the identified patterns.

9. The display apparatus according to claim 5, including an input arrangement for the input of information for display.

10. The display apparatus according to claim 9, wherein the input arrangement includes a pen device and the display screen is touch sensitive for information input.

11. A display apparatus comprising:

a display screen to display information;

a memory to store motion type erase data comprising identifications of motion types and corresponding erase operations, and information for display on the display screen;

a motion detecting arrangement to detect motion of the display apparatus;

a user input arrangement to receive a user input identifying erase operations during a learning phase; and

a processor programmed, in the learning phase when a user input is received identifying a control operation, to identify a motion type from motion detected by the motion detecting arrangement and to store the received user input in correspondence with data identifying the motion type in the motion type erase data, and, subsequent to the learning phase when the motion detecting arrangement detects motion, to use the motion type erase data to identify a motion type and execute the corresponding erase operation to erase at least a part of the information displayed on the display screen,

wherein the displayed information comprises a plurality of different types of information, and the erase operations for different motion types identify erase operations for different types of information.

12. The display apparatus according to claim 11, wherein the processor is programmed, in the learning phase when a user input is received identifying a control operation, to identify a said motion type by averaging the detected motion received from the motion detecting arrangement a plurality of times and to store the received user input in correspondence with data identifying the motion type in the motion type erase data

13. The display apparatus according to claim 11 or claim 12, wherein the processor is programmed to, in the learning phase, receive a plurality of user inputs and to identify a said motion type from motion detected by the motion detecting arrangement for each user input and to store the received user inputs in correspondence with data identifying the respective motion type in the motion type erase data.

14. The display apparatus according to any one of claims 11 to 13, wherein the processor is programmed to identify a plurality of motion types comprising a combination of motions in multiple directions.

15. The display apparatus according to claim 14, wherein the directions comprise at least one of lateral and/or rotational directions.

16. The display apparatus according to any one of claims 11 to 15, wherein the information is displayed in a plurality of regions, and the erase operations for different motion types identify erase operations for different regions.

17. A method of controlling a display apparatus having a display screen and a motion detector arrangement to detect motion, the method comprising:

displaying information on the display screen in a plurality of different regions;

detecting a plurality of types of motion of the display apparatus; and

selectively erasing information displayed on the display screen in different regions in dependence upon the detected motion types.

18. The method according to claim 17, wherein at least a part of the information displayed on the display screen in the different regions is selectively erased in response to shaking or reciprocating motion detected by the motion detecting arrangement that is greater than a threshold.

19. The method according to claim 17 or claim 18, wherein the information is stored in a memory, including deleting the erased displayed information in the memory.

20. The method according to any one of claims 17 to 19, wherein a plurality of motion types in multiple directions are detected, and the information displayed on the display screen in the different regions is selectively erased in dependence upon the detected patterns.

21. A method of controlling a display apparatus having a display screen and a motion detector arrangement to detect motion, the method comprising:
displaying information of a plurality of different information types on the display screen;
detecting a plurality of types of motion of the display apparatus; and
selectively erasing information types displayed on the display screen in dependence upon the detected motion types.

22. The method according to claim 21, wherein at least a part of the type of information displayed on the display screen is selectively erased in response to shaking or reciprocating motion detected by the motion detecting arrangement that is greater than a threshold.

23. The method according to claim 21 or claim 22, wherein the information is stored in a memory, including deleting the erased displayed information in the memory.

24. The method according to any one of claims 21 to 23, wherein a plurality of motion types in multiple directions are detected, and the type of information displayed on the display screen is selectively erased in dependence upon the detected patterns.

25. The method according to any one of claims 21 to 24, including receiving the input of information for display.

26. The method according to claim 25, wherein the information is input by a pen device and the display screen is touch sensitive for information input.

27. A method of controlling a display apparatus having a motion detector arrangement to detect motion of the device, the method comprising:

during a learning phase:

receiving a user input identifying an erase operation;

detecting motion of the display apparatus using the motion detector arrangement;

identifying a motion type from the motion detected by the motion detecting arrangement;

storing the received user input in correspondence with data identifying the motion type as motion type erase data;

and repeating the receiving, detecting, identifying and storing steps; and

in an operation phase:

displaying information on a display screen;

detecting motion of the display apparatus using the motion detector arrangement; and

using the motion type control data to identify a motion type and execute the corresponding erase operation to erase at least a part of the information displayed on the display screen.

28. The method according to claim 27, wherein in the learning phase, when a user input is received identifying an erase operation, a said motion type is identified by averaging the detected motion received from the motion detecting arrangement a plurality of times, and the

received user input is stored in correspondence with data identifying the motion type in the motion type erase data

29. The method according to claim 27 or claim 28, wherein the motion types comprise a combination of motions in multiple directions.

30. The method according to claim 29, wherein the directions comprise at least one of lateral and/or rotational directions.

31. The method according to any one of claims 28 to 30, wherein the information is displayed in a plurality of regions, and the erase operations for different motion types identify erase operations for different regions.

32. The method according to any one of claims 9 to 12, wherein the displayed information comprises a plurality of different types of information, and the erase operations for different motion types identify erase operations for different types of information.

33. A carrier medium carrying processor implementable code for execution by a processor to implement the method of any one of claims 17 to 32.