

Claims

1. A method of sending a touch message comprising:
recording a touch area on a touch receiving surface of a first device;
recording a response to be triggered upon touch of a touch receiving surface within the touch area;
forming a message comprising the recorded touch area and the response;
transmitting the message from the first device to a second device;
receiving a touch on a touch receiving surface of the second device;
checking that the touch is within the touch area and in that event triggering the response.
2. A method of sending a touch message comprising:
recording a touch area on a touch receiving surface of a first device;
recording a response to be triggered upon touch of a touch receiving surface within the touch area;
forming a message comprising the recorded touch area and the response;
transmitting the message from the first device to a second device so that when a touch receiving surface of the second device receives a touch, the touch can be compared to the touch area and when the touch is within the touch area the response can be triggered.
3. A method of receiving a touch message on a second device comprising:
receiving a message comprising a recorded touch area on a touch receiving surface of a first device and a response to be triggered upon touch of a touch receiving surface within the touch area;
receiving a touch on a touch receiving surface of the second device;
checking that the touch is within the touch area and in that event triggering the response.
4. A method according to any of the previous claims, wherein the touch receiving surface is a touch screen.
5. A method according to any of the previous claims, wherein the touch area is generated by a user touching the touch receiving surface and recording the touch applied to the touch receiving surface.
6. A method according to any of the previous claims, wherein an image is selected for inclusion in the message, so as to provide a visual reference for the touch of the touch receiving surface.

7. A method according to claim 6, wherein the visual reference is used in receiving the touch on the second device.
8. A method according to claims 1 to 4, wherein a series of images are selected for inclusion in the message, so as to provide a series of visual references for the touch of the touch receiving surface.
9. A method according to claim 8, wherein each of the visual references is used in generating a series of touch areas.
10. A method according to claims 8 and 9, wherein each of the visual references is used in receiving the series of touches on the second device.
11. A method according to claim 10, wherein each visual reference may transition to another visual reference.
12. A method according to claim 11, wherein the transition from one visual reference to another visual reference has an associated auditory and or visual effect.
13. A method according to any of the previous claims, wherein the touch area is the entire touch screen.
14. A method according to claim 13, wherein the touch area is a portion of the touch screen.
15. A method according to claim 13, wherein the touch area is a plurality of portions of the touch screen.
16. A method according to claim 15, wherein the touch area further comprises sequential touch of the plurality of the portions.
17. A method according to claim 15 or 16, wherein the touch area further comprises a timing of touch of the plurality of the portions.
18. A method according to claim 15, wherein the touch area further comprises a touch and drag movement of one portion to another portion.

19. A method according to claim 18, wherein the touch area further comprises a series of touch and drag movements of one portion to another portion.
20. A method according to any of the previous claims, wherein the image is obtained from a camera of the device or a storage of the device.
21. A method according to any of the previous claims, wherein the touch area is signified to a user of the second device.
22. A method according to any of the previous claims, wherein the touch area is visually highlighted on the touch screen.
23. A method according to any of the previous claims, wherein a visual prompt is displayed on the touch screen for guiding the user of the second device where to touch and in some embodiment when and/or in what order to touch.
24. A method according to any of the previous claims, wherein the response is to display a first image and or to play a first sound.
25. A method according to any of the previous claims, wherein the second device may be configured to indicate that the user of the second device is incorrectly touching the touch area of the touch screen.
26. A method according to any of the previous claims, wherein the second device is configured to compare the accuracy of the touch on the second device to the touch area.
27. A method according to any of the previous claims, wherein a degree of correspondence between the touch on the first device and on the second device is determined.
28. A method according to claim 27, wherein the second device may progressively indicate the degree of correspondence between the touch on the first device and on the second device.
29. A method according to claims 27 and 28, wherein more than one response may be recorded, wherein a first response may be triggered when the degree of correspondence

is at or above a predefined amount and a second response may be triggered when the degree of correspondence is below the predefined amount.

30. A method according to any of claims 30 to 32, wherein the receipt of touch of the second device, indication of the degree of correspondence and response may be automatically repeated.

31. A method according to any of the previous claims, wherein the touch area is scaled according to the size of the touch screen on the first device and the size of the touch screen on the second device.

32. A method according to any of the previous claims, wherein the touch area may be defined to be within a screen aspect ratio.

33. A system for sending a touch message comprising:

a first device and a second device;

the first device comprising a touch receiving surface, a recorder of a touch area on the touch receiver, a recorder of a response to be triggered upon touch of a touch receiving surface within the touch area, a message former for forming a message comprising the recorded touch area and the response, and a transmitter of the message from the first device to the second device;

the second device comprising a touch receiving surface for receiving a touch and a checker for checking that the touch is within the touch area and in that event triggering the response.

34. A first device configured to send a touch message to a second device, the first device comprising:

a touch receiving surface, a recorder of a touch area on the touch receiving surface, a recorder of a response to be triggered upon touch of a touch screen within the touch area, a message former for forming a message comprising the recorded touch area and the response, and a transmitter of the message from the first device to the second device, wherein the message is configured so that when a touch receiving surface of the second device receives a touch, the touch can be compared to the touch area and when the touch is within the touch area the response can be triggered.

35. A second device configured to receive a touch message from a first device comprising:

a receiver of a message comprising a recorded touch area on a touch receiving surface of a first device and a response to be triggered upon touch of a touch receiving surface within the touch area;

a touch receiving surface for receiving a touch;

a checker for checking that the touch is within the touch area and in that event triggering the response.

36. A computer program product stored in a tangible form comprising instructions for controlling a processor of a portable computing device to do one or both of A and B:

Where A) is:

record a touch area on a touch receiving surface of a first device;

record a response to be triggered upon touch of a touch receiving surface within the touch area;

form a message comprising the recorded touch area and the response;

transmit the message from the first device to a second device so that when a touch receiving surface of the second device receives a touch, the touch can be compared to the touch area and when the touch is within the touch area the response can be triggered; or

Where B) is:

receive a message comprising a recorded touch area on a touch receiving surface of a first device and a response to be triggered upon touch of a touch receive surface within the touch area;

receive a touch on a touch receiving surface of the second device;

check that the touch is within the touch area and in that event triggering the response.

37. A method comprising transmitting, receiving or storing the computer program product of claim 36.

38. A message in the form of computer readable data, wherein the comprises: a recorded touch area on a touch receiving surface of a first device and a response to be triggered upon touch of a touch receiving surface of a second device within the touch area.

39. A method comprising transmitting, receiving or storing the message of claim 38.

Claims

1. A method of sending a touch message comprising:
recording a touch area on a touch receiving surface of a first device;
recording a response to be triggered upon touch of a touch receiving surface within the touch area;
forming a message comprising the recorded touch area and the response;
transmitting the message from the first device to a second device so that when a touch receiving surface of the second device receives a touch, the touch can be compared to the touch area and when the touch is within the touch area the response can be triggered.
2. A method of receiving a touch message on a second device comprising:
receiving a message comprising a recorded touch area on a touch receiving surface of a first device and a response to be triggered upon touch of a touch receiving surface within the touch area;
receiving a touch on a touch receiving surface of the second device;
checking that the touch is within the touch area and in that event triggering the response.
3. A method according to any of the previous claims, wherein the touch area is generated by a user touching the touch receiving surface and recording the touch applied to the touch receiving surface.
4. A method according to any of the previous claims, wherein an image is selected for inclusion in the message, so as to provide a visual reference for the touch of the touch receiving surface.
5. A method according to claim 4, wherein the visual reference is used in receiving the touch on the touch receiving surface.
6. A method according to claims 1 to 3, wherein a series of images are selected for inclusion in the message, so as to provide a series of visual references for the touch of the touch receiving surface.
7. A method according to claim 6, wherein each of the visual references is used in generating a series of touch areas.

8. A method according to claim 7, wherein each visual reference may transition to another visual reference.
9. A method according to claim 6, wherein the touch area is a plurality of portions of the touch screen.
10. A method according to claim 9, wherein the touch area further comprises sequential touch of the plurality of the portions.
11. A method according to claim 9 or 10, wherein the touch area further comprises a timing of touch of the plurality of the portions.
12. A method according to claim 9, wherein the touch area further comprises a touch and drag movement of one portion to another portion.
13. A method according to claim 12, wherein the touch area further comprises a series of touch and drag movements of one portion to another portion.
14. A method according to any of the previous claims, wherein the touch area is signified to a user.
15. A method according to any of the previous claims, wherein the touch area is visually highlighted on the touch screen.
16. A method according to any of the previous claims, wherein a visual prompt is displayed on the touch screen for guiding the user of the second device where to touch and/or when and/or in what order to touch.
17. A method according to any of the previous claims, wherein the response is to display a first image and or to play a first sound.
18. A method according to any of the previous claims, wherein the second device may be configured to indicate that the user of the second device is incorrectly touching the touch area of the touch screen.
19. A method according to any of the previous claims, wherein the second device is configured to compare the accuracy of the touch on the second device to the touch area.

20. A method according to any of the previous claims, comprising calculating a degree of correspondence between the recorded touch and the received touch.

21. A method according to claim 20, further comprising progressively indicating the degree of correspondence between the recorded touch and the received touch.

22. A method according to claims 20 and 21, wherein more than one response is recorded, wherein a first response is triggered when the degree of correspondence is at or above a predefined amount and a second response is triggered when the degree of correspondence is below the predefined amount.

23. A method according to any of the previous claims, wherein the touch area is scaled according to the size of the touch screen.

24. A method according to any of the previous claims, wherein the touch area may be defined to be within a screen aspect ratio.

25. A first device configured to send a touch message to a second device, the first device comprising:

a touch receiving surface, a recorder of a touch area on the touch receiving surface, a recorder of a response to be triggered upon touch of a touch screen within the touch area, a message former for forming a message comprising the recorded touch area and the response, and a transmitter of the message from the first device to the second device, wherein the message is configured so that when a touch receiving surface of the second device receives a touch, the touch can be compared to the touch area and when the touch is within the touch area the response can be triggered.

26. A second device configured to receive a touch message from a first device comprising:

a receiver of a message comprising a recorded touch area on a touch receiving surface of a first device and a response to be triggered upon touch of a touch receiving surface within the touch area;

a touch receiving surface for receiving a touch;

a checker for checking that the touch is within the touch area and in that even triggering the response.

27. A computer program product stored in a tangible form comprising instructions for controlling a processor of a portable computing device to do one or both of A and B:

Where A) is:

- record a touch area on a touch receiving surface of a first device;
- record a response to be triggered upon touch of a touch receiving surface within the touch area;
- form a message comprising the recorded touch area and the response;
- transmit the message from the first device to a second device so that when a touch receiving surface of the second device receives a touch, the touch can be compared to the touch area and when the touch is within the touch area the response can be triggered; and

Where B) is:

- receive a message comprising a recorded touch area on a touch receiving surface of a first device and a response to be triggered upon touch of a touch receive surface within the touch area;
- receive a touch on a touch receiving surface of the second device;
- check that the touch is within the touch area and in that event triggering the response.

28. A method comprising transmitting, receiving or storing the computer program product of claim 27.

29. A message in the form of computer readable data, wherein the comprises: a recorded touch area on a touch receiving surface of a first device and a response to be triggered upon touch of a touch receiving surface of a second device within the touch area.

30. A method comprising transmitting, receiving or storing the message of claim 29.