

6. The method of claim 1, in which the total signal intensity is related to an amount of pressure associated with the touching.

7. The method of claim 1, in which the measuring is performed at a predetermined frame rate.

8. The method of claim 1, further comprising:

displaying a bounding perimeter corresponding to each region touched.

9. The method of claim 1, in which the perimeter is a rectangle.

10. The method of claim 1, in which the perimeter is a circle.

11. The method of claim 1, further comprising:

determining a trajectory of each touched regions over time.

12. The method of claim 11, further comprising:

classifying the gesture according to the trajectories.

13. The method of claim 11, in which the trajectory indicates a change in area size over time.

13. The method of claim 11, in which the trajectory indicates a change in total signal intensity for each area over time.

14. The method of claim 13, further comprising:

determining as rate of change of area size.

15. The method of claim 11, further comprising:

determining a speed of movement of each region from the trajectory.

16. The method of claim 15, further comprising:

determining a rate of change of speed of movement of each region.

17. The method of claim 8, in which the bounding perimeter corresponding to an area of region touched.

18. The method of claim 8, in which the bounding perimeter corresponding to a total signal intensity of the region touched.

19. The method of claim 1, in which the particular gesture is selected from the group consisting of one finger, two fingers, more than two fingers, one hand and two hands.

20. The method of claim 1, in which the particular gesture is used to manipulate a document displayed on the touch sensitive surface.

21. The method of claim 1, further comprising:

displaying a document on the touch surface;

annotating the document with annotations using one finger while pointing at the document with two fingers.

22. The method of claim 21, further comprising:

erasing the annotations by wiping an open hand back and forth across the annotations.

23. The method of claim 22, further comprising:

displaying a circle to indicate an extent of the erasing.

24. The method of claim 1, further comprising:

displaying a document on the touch surface;

defining a selection box on the document by pointing at the document with more than two fingers.

25. The method of claim 1, further comprising:

displaying a plurality of document on the touch surface;

gathering the plurality of documents into a displayed by placing two hands around the documents, and moving the two hands towards each other.

26. The method of claim 1, further comprising:

determining a location of each region.

27. The method of claim 26, in which the location is a center of the region.

28. The method of claim 26, in which the location is median of the intensities in the region.

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