

22. The apparatus of claim 12 wherein said tracking unit comprises software and a processor.

23. The apparatus of claim 12 further comprising a pen grip detector for evaluating representations of said groups to determine if said surface is proximate to a hand in the position of gripping a pen.

24. The apparatus of claim 23 wherein said representations of said groups are said specific parts of a hand.

25. The apparatus of claim 23 where said pen grip detector is further for generating signals associated with the perceived movement of said hand in the position of gripping a pen.

26. A method comprising the steps of:

- i. providing a plurality of sensors, each sensor adapted to sense proximity of an object;
- j. receiving indications from said sensors and segmenting said indications into a plurality of groups, each of said groups representing a part of a hand;
- k. associating each said groups with a specific part of a hand;

l. calculating, relative to said sensors, a path of each hand part over elapsed time.

27. The method of claim 26 wherein said indication of said sensors are one or more image pixels.

28. The method of claim 26 wherein said indications of said sensors comprise a part of a proximity image.

29. The method of claim 28 wherein said part of a proximity image is a whole proximity image.

30. The method of claim 26 wherein one of said groups represents a part of a hand that is a finger and another of said groups represents a part of a hand that is a palm.

31. The method claim 26 further comprising the step of evaluating representations of said groups to determine if said sensors are proximate to a hand in the position of gripping a pen.

32. The method of claim 31 wherein said representations of said groups are said specific parts of a hand.

33. The method of claim 31 further comprising the step of generating signals associated with the perceived movement of said hand in the position of gripping a pen.

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