[0133] Although, the assembly **22** is described as employing machine vision, the assembly may alternatively employ electromagnetic, capacitive, acoustic or other technologies to register pointer interaction with the display surface **24**.

[0134] Those of skill in the art will also appreciate that other variations and modifications from those described may be made without departing from the scope and spirit of the invention, as defined by the appended claims.

What is claimed is:

1. A gesture recognition method comprising:

capturing images looking generally across an input region;

processing the images to identify at least two clusters of touch points associated with at least two pointers within the input region;

recognizing a gesture based on motion of the identified clusters; and

updating a display in accordance with the recognized gesture.

2. An interactive input system comprising:

an input surface;

at least one imaging sensor having a field of view looking generally across said input surface; and

processing structure communicating with said at least one imaging sensor, said processing structure being configured to analyze image data acquired by said at least one imaging sensor to determine the location of a cluster of touch points associated with at least two pointers in contact with the input surface, to recognize successive clusters of touch points representing a gesture based on the relative positions of the clusters of touch points and to execute a command associated with said gesture.

3. A gesture recognition method comprising:

capturing images looking at an input surface;

processing the images to identify at least two clusters of touch points associated with at least two pointers;

recognizing a gesture based on motion of the identified clusters; and

updating a display in accordance with the recognized gesture.

4. An interactive input system comprising:

an input surface;

at least one imaging sensor having a field of view looking at said input surface; and

processing structure communicating with said at least one imaging sensor, said processing structure being configured to analyze image data acquired by said at least one imaging sensor to determine the location of a cluster of touch points associated with at least two pointers in contact with the input surface, to recognize successive clusters of touch points representing a gesture based on the relative positions of the clusters of touch points and to execute a command associated with said gesture.

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