

15. The imaging system according to claim 1, wherein the marker devices are removably mounted on the rear end of the first object.

5 ~~16. The imaging system according to claim 1, wherein the relative positions of the marker devices on the image allows the rotation of the first object about its own axis to be determined such that the direction of movement of the first object can be tracked.~~

10 ~~17. An imaging system for tracking the direction of movement of a first object, comprising:~~

~~—— a plurality of marker devices adapted to be disposed on the first object; and~~

~~—— a sensing device adapted to be disposed on a second object,~~

15 ~~—— wherein the sensing device is adapted for detecting the relative positions of the plurality of marker devices on the first object and forming an image of the relative positions of the plurality of marker devices.~~

20 ~~48.16.~~ A method for tracking the direction of movement of a first object, comprising the steps of:

receiving images of relative positions of a plurality of marker devices adapted for disposing on the first object, said images captured from a sensing device adapted for disposing on a second object;

25 obtaining from the images parameters based on the relative positions of the plurality of marker devices;

processing the parameters to obtain the distance, bearing and rotation of the first object with respect to the second object such that the direction of movement of the first object with respect to the second object can be determined.

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~~49.17.~~ A method according to claim ~~48.16~~, wherein the plurality of marker devices include at least four marker devices.

~~20.18.~~ A method according to claim ~~48~~16, wherein the plurality of marker devices are each spaced apart from each other.

- 5 ~~24.19.~~ A method according to claim ~~20~~18, wherein the plurality of marker devices are arranged in a substantially square configuration, with one marker device in each corner.

- ~~22.20.~~ A method according to claim ~~48~~16, wherein the parameters include the
10 horizontal distance in number of pixels of the marker devices.

~~23.21.~~ A method according to claim ~~22~~20, wherein the parameters include the vertical distance in number of pixels of the marker devices.

- 15 ~~23~~22. A method for tracking the direction of movement of a first object, relevant to a second object, which method comprises:
 generating signals regarding relative positions of a plurality of marker devices disposed on the first object;
 receiving said signals in a sensing device disposed on the second
 20 object;
 providing images based upon said signals in a display;
 obtaining from the images parameters based on the relative positions of the plurality of marker devices; and
 processing the parameters to obtain the distance, bearing, and
 25 rotation of the first object with respect to the second object such that the direction of movement of the first object with respect to the second object can be determined.