

Exemplary Patent Claims

The following are exemplary claims selected from each of the Avidasports patents as respectively indicated:

12. A method of generating positional coordinates for a plurality of moving objects, the method comprising:

instructing each of the plurality of objects to emit a locating signal according to a schedule, the schedule being set such that each of the plurality of objects is scheduled to emit the locating signal during a different period of time;

capturing images of an area in which the plurality of objects are moving with one or more cameras, each image fixing a representation of any locating signals appearing at a time of capture;

calculating positional coordinates for each of the representations, the positional coordinates reflecting a position of the object at the time of capture relative to the camera capturing the image having the representation; and

associating the positional coordinates with the plurality of moving objects by cross-referencing the positional coordinates for each time of capture with the one of the plurality of moving objects scheduled to emit the locating signal at the time of capture.

18. A locating system comprising:

a plurality of devices each having a beacon configured to emit a non-modulated signal at a fixed wavelength;

one or more cameras configured to take pictures of an area defined by a viewing angle of each camera;

a master station configured to wirelessly communicate a broadcast schedule to each of the plurality of device, the broadcast schedule specifying a period of time during which each beacon is to emit the non-modulated signal; and

wherein the master station is configured to generate positional coordinates for each beacon appearing within each of the pictures based on the beacon scheduled to emit the non-modulated signal at the time the picture was taken and a position of the camera taking the picture.