Exemplary Patent Claims

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

1.   A system for generating performance metrics for a user comprising:

at least two arm sensors operable to sense user arm movement in an x, y, and z
     direction;

at least one head sensor operable to sense user head movement in an x, y, and z
     direction;

at least one leg sensor operable to sense user leg movement in at least a y direction;

at least one processor operable to determine performance metrics for the user based on
     the movement sensed by the arm, leg and head sensors;

wherein at least one performance metric determined by at least one of the at least one
     processor identifies a number of leg kicks performed by the user between a
     starting marker and an ending marker based on y values used by the at least one
     leg sensors to quantify movement in the y direction.

29.   A method of counting a number of strokes performed by a swimmer from a
movement signal generated by at least one of an arm sensor, a leg sensor and a head
sensor during a swum lap, the method comprising:

identifying a dominate stroke period of the swum lap from the movement signal;

selecting a portion of the movement signal coinciding with one of the dominate periods
     to be a first reference stroke;

filtering the movement signal based on the first reference stroke to identify a number of
     potential strokes;

determining the number of strokes based on the identified number of potential strokes;
     and

determining a number of leg kicks performed by the swimmer between a starting marker
     and an ending marker based on y values generated with the leg sensor to
     quantify movement in a y direction.