PHYSIOTRACK 2, PREDICTING EFFORT WITHOUT GPS

Innovative system for real-time monitoring and predicting of physical performance by combining physiological and environmental data

Technological advantages

A simplified technology

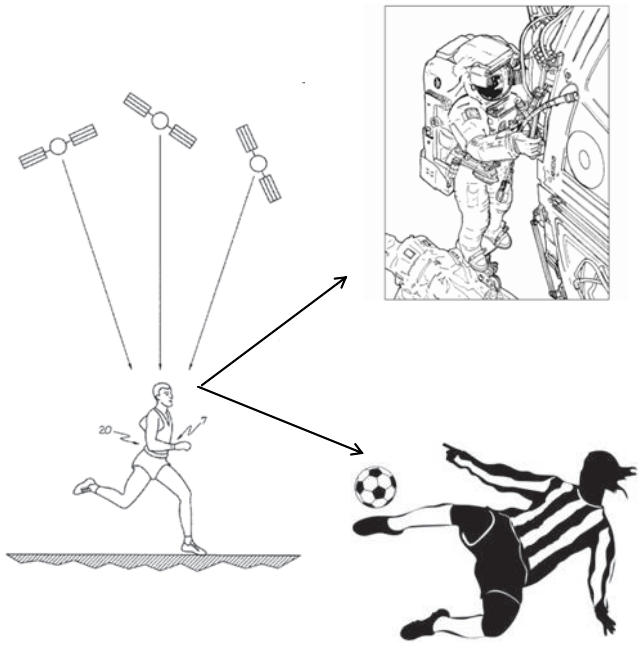
No need for GPS

Takes into account parameters such as anaerobic acceleration and environmental conditions, which particularly affect astronauts

A precise system

Very precise modelling of the power developed by the human body

Real-time prediction of the adaptation of the patient's or athlete's effort relative to the test in progress



Summary of the invention

Invention for providing information about the remaining energy during an effort, to predict changes in the user's performance.

Concept associating real-time physiological data and external information collected in situ without using GPS.

Potential applications

Monitoring performance

Amateur and professional sport

Running, cycling, hiking, biathlon, triathlon, horse riding, etc.

User protection

Monitoring of vital parameters during recuperation after effort

Complementary patent

B1315 Autotrack system for predicting energy consumption

Commercial advantages

Universal system suitable for several markets

Suitable for the general public in the field of sport and healthcare

Suitable for professional sportsmen and women

Low cost sensors

Can be used with several sensors for easier integration of the various data (only environmental and physiological)

TRL : 3

Patented invention available under licence

B1351

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