Telecommunications, navigation

METRIC POSITIONING WITH ALL GNSS RECEIVERS

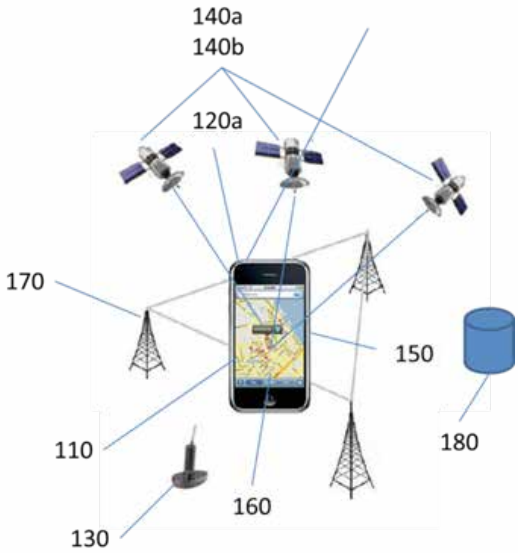
Innovative positioning system enabling centimetre-levelprecision for any GNSS receiver

Technological benefits

Universal solution
Software solution compatible with all GNSS receivers

Comprehensive global centimetre-level positioning service
80 reference stations in the world suffice
Compatible with the RT-IGS network
Mesh networking of baselines ≥ 1000 km

Real time effectiveness and autonomy
Provides a real-time, accurate correction service for users.
Instant positioning



Invention overview

Software implementation (series of algorithms) for a GNSS receiver, enabling the implementation of an accurate PPP positioning calculation in the GNSS receiver. The algorithms use orbital and clock correction calculated upstream and broadcast in a predefined standard (RTCM). It enables elimination of the requirement for a bi-directional link between the receiver and the correction calculation centre.

Potential applications

Dual-Frequency Receiver
Centimetre-level positioning available: Agriculture, Automotive, Drones, Robotic Machines, Waterway and Maritime use

Commercial benefits

Rapid implementation
Leader in several markets
- Scientific: oceanography, land-based wildlife monitoring, etc.
- Professional: machine control, topographic measurements, etc.

Unique range of products
Software solution compatible with a dual-frequency receiver.
Offers a large-scale service
Increased range of services

Reduction in the costs of communication stations

For more information
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