



POSITIONING SATELLITES BY GPS

Reduction of acquisition time for a GNSS receiver

Technological advantages

- Limits the search to a few satellite signals
- Quicker convergence
- Statistical approach based on code lag and Doppler shift

Summary of the invention

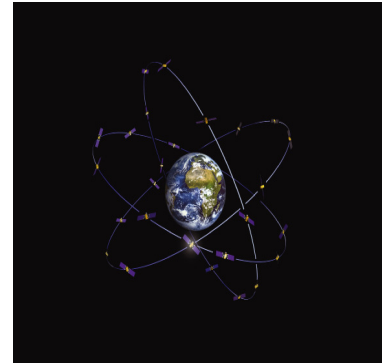
Device intended to reduce the acquisition time of the satellite and the search window by means of the Doppler shift and a statistical approach.

Potential applications

- Satellite operators
- Suppliers of satellite receivers

Complementary information sheets

- B0704** Dual-frequency centimetre-level precision GPS
- B0807** Tri-frequency centimetre-level GPS
- B0843** Single-frequency sub-metric GPS



Example of an application:
the Galileo constellation

Bénéfices commerciaux

Speed and efficiency

Reduced acquisition time enables the satellite to be operational quicker

Satellite operators

- Improves the cold start of a GNSS receiver
- Software solution