ANTI-DECOYING GNSS / GPS SYSTEM

Time and position data authentification of the satellite signals

Technological benefits

Authentification of GNSS / GPS signals
Time/position data-crossing.
Anti-decoying system / ARP spoofing

Secure method
Control sequences generated by pseudorandom code produced by an encryption key .
Certification of data authenticity.

Compact
Device easily joined on small antenna supports.

Authentification of a payment terminal.

Invention overview

Compact anti-decoying system of GNSS signals, allowing a distant and secure control of the integrity of the GNSS data time / positions.

Commercial benefits

Adaptability & modularity
Allow to apply the process to terminals having only the capacities of smartphone / car / payment terminals.

Security
Detection of spoofing.

Potential applications

Authentification of payments terminals, transactions, etc.

Protection of navigation systems (vehicle, etc.)

TRL : 3

Patented invention available under license

B1411

For further information

CNES Valorisation :
+33 (0) 5 61 27 35 53
valorisation@cnes.fr