ADAPTIVE GNSS RECEIVER WITH OPEN ARCHITECTURE

Open architecture coupled with a hypervisor, enabling the development of both «hardware» and «software» new features in a secure manner

Technological benefits

Innovative technology

- Evolutive because the impact of a new function is controlled by the hypervisor
- Secure because during operations, the hypervisor monitore the performance of different modules

Open architecture

- Can be used on its own hardware platform and adaptable to its needs
- Can be used for developing its own software and material architecture

Invention overview

This invention is an open-source architecture of GNSS receiver that supports the management of functionality within a hypervisor.

Using a hypervisor guarantees that the material resources needed for nominal operation of the receiver are not usable by the functionality tested, even in case of an increase in resource requirements.

Potential applications

Manufacturer of GNSS Receiver, research laboratories, developers of geolocation-related applications

GNSS receiver prototype development and testing algorithm for treatment of multiple paths, etc.

SDR – Software Design Radio
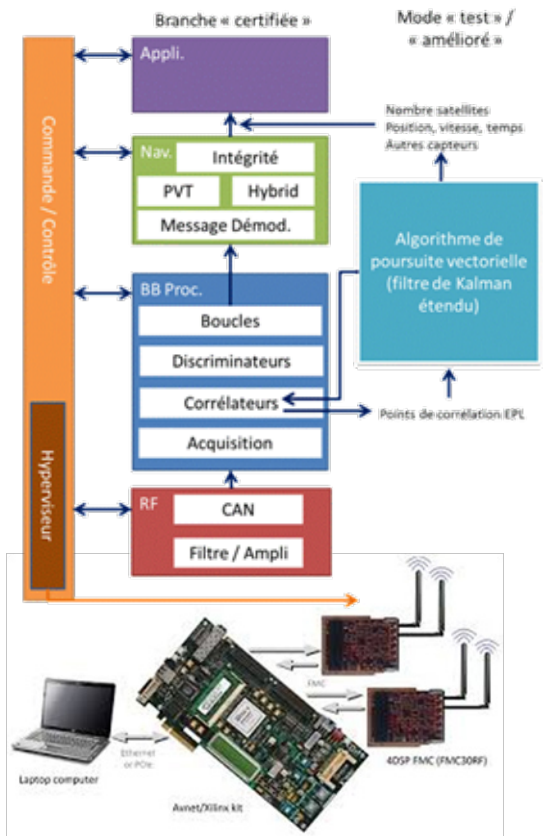
Commercial benefits

Reduced development costs

Evolutive and secure system

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Patented invention, available under license