A METHOD FOR ORGANISING MEASUREMENT DATA IN AN RFID READER

Implementation of an RFID reader capable of transmitting the measurements taken at very high frame rate based on a wireless technology

**Technological advantages**

Advantageous technical features
- Wireless reader
- Memory space
- High rate of acquisition
- Low power consumption
- Ability to link the tag to readers of several physical quantities

**Summary of the invention**

Method for enabling RFID readers to transmit the measurements they take at very high frame rates using a wireless technology.

The invention allows access to stored and compressed data in the memory of the RFID reader. The reader itself includes a system for checking its readings to verify the accuracy of the data stored in the memory.

**Potential applications**

Space
- Man be used in place of cables in spacecraft (launchers, satellites)

Industry
- Measurement of temperatures, pressures, mechanical loads
- Aeronautics
- Flight tests

**Commercial advantages**

A robust and economic reader
- Capable of operating in extreme environments: high EMC, a temperature range between -30 and +70°C, etc.
- A simple and low-power-consumption microcontroller
- System qualified for use in a launcher environment
- Lower development costs than for some similar technologies

Patented invention available under licence

For further information

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Industrial applications and spin-offs of space technologies