



# 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

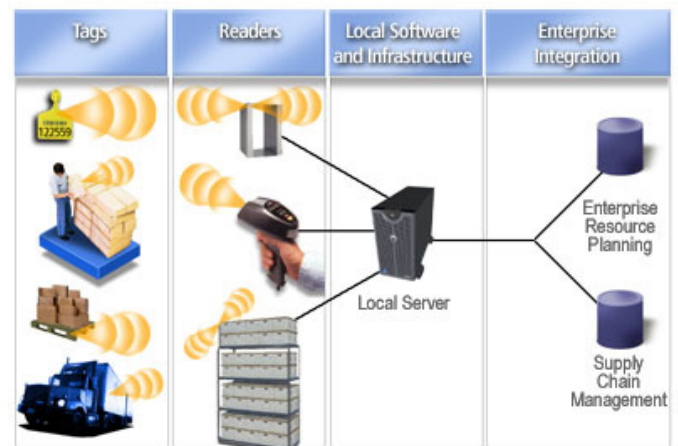
### Advantageous technical features

- 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

Can 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*