

Trusted/Secure Hybrid Software Programmable Tag

Disclosure Number

200501547

Technology Summary

The present invention, combines the ultra reconfigurability and strong hardware-based "root-of-trust" authentication and machine attestation capability of a Trusted Hybrid Software Radio (incorporated by reference and described in EIDR# 203 submitted 4/15/2005), with sensors and optional actuators to create a multi-waveform/protocol, frequency agile RF tag with sensor and locating capabilities (GPS and/or radiolocation) enabling multi-region, multi-frequency, multi-protocol interoperability. It can execute a plurality of waveforms and communications protocols and is capable of dynamically switching among them via software. It is capable of global operation and interoperability with a plurality of readers (with a variety of frequencies and communications standards).

Inventor

BUCKNER, MARK A

Engineering Science & Technology Div

Licensing Contact

SPEIGHT II, MELVIN D

UT-Battelle, LLC

Oak Ridge National Laboratory

Room 143, 4500N, MS: 6196

1 Bethel Valley Road

Oak Ridge, TN 37831

Office Phone: (865) 241-6564

E-mail: DSPEIGHT@ORNL.GOV

Note: The technology described above is an early stage opportunity. Licensing rights to this intellectual property may be limited or unavailable. Patent applications directed towards this invention may not have been filed with any patent office.