NANOCOMPOSITE-BASED ANTENNA

SENSORS
Nanoparticle antenna system with implantable and external antennas that improves communication efficacy for wireless implantable medical devices.

TECHNOLOGY TYPE
Nanotechnology
Signal Processing
Implantable

STAGE OF DEVELOPMENT
- Proof of concept demonstrated through simulations.
- Completed ex vivo testing.
- Ongoing in vivo testing.

IP PROTECTION
Utility Patent Pending
Tattooed Antennas
US-2014-0125532-A1

FEATURES AND BENEFITS
- Improves safety and stability of wireless implantable electronics through biocompatibility.
- Reduces radiative power absorption into the body.
- Increases speed and accuracy of data transmission.
- Enables high distance wireless implants.
- Decreases signal loss.

INVENTOR PROFILE
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