

Name of Journal: *Artificial Intelligence in Medical Imaging*

Manuscript NO: 57076

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Acoustic concept based on an autonomous capsule and a wideband concentric ring resonator for pathophysiological prevention

Medjdoub A *et al.* Ultrasonic micro-system for disease prevention

Amina Medjdoub, Fabrice Lefebvre, Nadine Saad, Saïd Soudani, Georges Nassar

Abstract

BACKGROUND

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https://www.medscape.com/viewpublication/48936_6 ▾

Apr 27, 2020 - A video-based speed estimation technique for localizing the wireless capsule endoscope inside gastrointestinal tract. January 01, 2014 [MEDLINE Abstract]

Dr. Vijay K. Varadan Profile - SPIE

<https://www.spiedigitallibrary.org/profile/Vijay.Varadan-7436> ▾

Atrial fibrillation and sudden cardiac death: catheter-based sensor and mapping system of the heart
Mouli Ramasamy , Prashanth Kumar , Vijay Varadan Proc. SPIE. 10167, Nanosensors, Biosensors, Info-Tech Sensors and 3D Systems 2017

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<https://www.researchgate.net/publication/257649083...>

The results showed that industrial, scientific and medical (ISM) band of 2.4 to 2.5 GHz is the optimal frequency of operation based on the size constraints of the capsules.

SYSTEM AND METHOD FOR SERVER BASED CONTROL - May ...

www.freepatentsonline.com/y2018/0034912.html ▾

Feb 01, 2018 - A system and method in a building or vehicle for an actuator operation in response to a sensor according to a control logic, the system comprising a router or a gateway communicating with a device associated with the sensor and a device associated with the actuator over in-building or in-vehicle networks, and an external Internet-connected control server associated with the control logic ...

Cited by: 602

Author: Yehuda Binder, Benjamin Maytal

Publish Year: 2013

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Google Patents

<https://patents.google.com> > patent > WO2014016684A2 ▾

H — ELECTRICITY; H02 — GENERATION; CONVERSION OR DISTRIBUTION OF ELECTRIC POWER; H02J — CIRCUIT ARRANGEMENTS OR SYSTEMS FOR SUPPLYING OR DISTRIBUTING ELECTRIC POWER; SYSTEMS

Cited by: 3

Author: Adi Mashiach

Publish Year: 2013

Programme for the 14th European Conference on Antennas ...

<https://www.eucap2020.org> > files > EuCAP_2020... ▾

characterization based on a **wideband** channel measurement campaign in urban environment considering a collision scenario between a vehicle and a cyclist. A dual-slope path loss model is proposed, and a zero-mean Gaussian distribution is found to best fit the shadow fading. Additionally, for more realistic system-level simulations, the spatial

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www.nano.pitt.edu > node > 418 ▾

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<https://www.acoustics.asn.au> > conference...

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www.acoustics.asn.au/conference_proceedings/ICA2010/cdrom-ICA2010/index.htm

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