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Meet the Inventors

Nguyen, Vinh Jokerst, Nan Marie Kim, Jungsang Smith, David Tyler, Talmage Yonak, Serder

Contact For More Info

Rasor, Robin (919) 681-6412 robin.rasor@duke.edu

Department

Electrical & Computer Engineering (ECE)

Tunable metamaterial

Technology

Metamaterial comprising a plurality of resonators disposed on a substrate, the substrate comprising a dielectric support layer and a relatively thin semiconductor layer, having a Schottky junction between at least one conducting resonator and the semiconductor layer. The properties of the resonator may be adjusted by modifying the physical extent of a depletion region associated with the Schottky junction.

Intellectual Property

US Patent No.: 8,130,031

Inventor

David R. Smith, Ph.D.

James B. Duke Professor of Electrical and Computer Engineering

Duke University