

Nano Structural Anodes for Radiation Detectors

Disclosure Number

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Technology Summary

The invention is directed towards the use of small diameter anodes such as carbon fibers, carbon nanotubes, and nanostructured Si wafers which are useful as anodes in radiation detection devices such as proportional radiation counters (PCs). Nano-sized anodes in accordance with the invention are suitably sensitive for applications such as in-vivo dosimetry, in-situ gas monitoring, hand-held radiation detectors, radiochemistry monitors, and environmental monitoring. The invention has a lower voltage requirement than conventional PC technology, and emits a smaller EMF signal.

Inventor

RETTNER, SCOTT T
Biosciences Division

Licensing Contact

SPECK, ROBERTA R
UT-Battelle, LLC
Oak Ridge National Laboratory
Rm 141, Bldg 4500N, MS: 6196
1 Bethel Valley Road
Oak Ridge, TN 37831

Office Phone: (865) 576-4680

E-mail: SPECKRR@ORNL.GOV

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