

Device System and Method for Miniaturized Radiation Spectrometer

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DESCRIPTION

This technology is a radiation sensing system. The system has a low linear energy transfer (LET) detector coupled to a high LET detector by a CPU, where the high and low LET detectors are assembled within a single unit. The high and low LET detectors are coupled to the CPU via a set of analog-to-digital converters (A/Ds), respectively, where the high and low LET detectors sense nuclear radiation. The single unit has a resolution of about 250 channels, and senses radiation energy in high and low LET spectrums, where the single unit is portable by hand.

FEATURES AND BENEFITS

- The system efficiently provides a small, lightweight radiation spectrometer device that detects both high and low linear energy transfer (LET) radiations, and reduces the manufacturing cost, thus improving high efficiency and portability of the system.

APPLICATIONS

- Transportation
- Military
- Safety and Security
- Biological Detection Systems
- Surveillance

FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-15115-1, please contact:

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