

Colorado School of Mines Office for Technology Transfer

Novel Photoconductive Decay Measurement System

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Description: This invention provides a nondestructive, contactless means to measure the recombination of lifetime of a wide range of semiconducting and photoconducting materials. The device exceeds the performance and range of applicability of existing commercial products. It utilizes a novel system of radio frequency coils that allow for rapid data acquisition time with no contact of the sensitive photovoltaic material.

Potential Areas of Application

- Photovoltaic industry
- Microelectronic industry
- Optoelectronic industry

Main Advantages of this Invention

- Fast data acquisition time.
- Provides a non-destructive means of measuring the lifetime of a variety of materials
- Performance exceeds those of current methods
- Has a greater range of applicability than the current method

Intellectual Property Status: Provisional patent filing pending

ID number: 09001

Opportunity: We are seeking an exclusive or non-exclusive licensee for marketing, manufacturing, and sale of this technology.

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