DOE Awards Second Contract for Inspection of Infrared Materials and Products

SARASOTA, Fla. and BOLINGBROOK, Ill., /PRNewswire-FirstCall/ -- Sunovia Energy Technologies, Inc. and its partner EPIR Technologies, Inc. announced today the United States Department of Energy has awarded a second contract to EPIR Technologies to provide improved infrared (IR) detectors to be used in a new generation of tools for the inspection and characterization of infrared materials and products.

These advanced tools, known as Fourier transform infrared (FTIR) materials characterization and inspection tools, are used to characterize semiconductor material properties in a nondestructive fashion and are especially useful in semiconductor production environments, to inspect the product for quality control without damaging it.

EPIR, founded in 1998, is a developer of innovative new infrared products, many of which have been developed and produced under contracts with the U.S. Department of Defense. Sunovia is the exclusive distributor of EPIR products.

The infrared detectors to be produced under the DOE contract are based on II-VI materials (i.e., formulated from elements in the second and sixth columns of the periodic table), similar to those used in ultra-high-efficiency multi-junction solar cells that are being jointly developed by Sunovia and EPIR, also under DOE sponsorship.

It is believed that these ultra-high-efficiency solar cells will outperform the most efficient solar cells produced today at a fraction of their cost.

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