Evaluation of Novel Semiconductor Materials Potentially Useful in Solar Cells

Cooperative Research and Development Final Report

CRADA Number: CRD-06-00172

NREL Technical Contact: John Geisz (previously Sarah Kurtz)
Cooperative Research and Development Final Report

In accordance with Requirements set forth in Article XI.A(3) of the CRADA document, this document is the final CRADA report, including a list of Subject Inventions, to be forwarded to the Office of Science and Technical Information as part of the commitment to the public to demonstrate results of federally funded research.

CRADA number: CRD-06-00172

CRADA Title: Evaluation of Novel Semiconductor Materials Potentially Useful in Solar Cells

Parties to the Agreement: EpiWorks, Inc. + NREL

Abstract of CRADA work:

Evaluation of novel semiconductor materials potentially useful in solar cells. NREL will fabricate, test and analyze solar cells from EpiWorks’ wafers produced in 2-3 separate growth campaigns. NREL will also characterize material from 2-3 separate EpiWorks material development campaigns. Finally, NREL will visit EpiWorks and help establish any necessary process, such as spectral CV measurements and III-V on Si metalization processes and help validate solar cell designs and performance.

Summary of Research Results:

Five batches of III-V solar cells were processed and measured for various projects at Epiworks.

Subject Inventions listing:

No inventions resulted from this CRADA.

Report Date: 3/5/10 Responsible Technical Contact at Alliance/NREL: Kurtz, Sarah R.

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