# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

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DEVENDRA K. SADANA	12/11/2012
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DAVOOD SHAHRJERDI	12/16/2012

#### RECEIVING PARTY DATA

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## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15235216

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ATTORNEY DOCKET NUMBER: YOR920120787US5 566CONII	
NAME OF SUBMITTER: JAMES J. BITETTO	
SIGNATURE:	/jjb/
<b>DATE SIGNED:</b> 08/12/2016	
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 2** 

**PATENT REEL: 039413 FRAME: 0788** 

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PATENT REEL: 039413 FRAME: 0789

# DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

Title of Invention: MONOLITHIC INTEGRATION OF HETEROJUNCTION SOLAR CELLS

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is ch	ecked):
[ ] United States application or PCT international application number	filed on
The above-identified application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed application.	invention in the
I have reviewed and understand the contents of the application, including the cla	ims.
I am aware of the duty to disclose to the United States Patent and Trademark Of known to me to be material to patentability as defined in 37 CFR Section 1.56.	fice all information
Whereas, the undersigned inventor(s) has/have made certain inventions, improve (herein referred to as the "Invention") disclosed in the above-identified patent apidentified by the IBM Docket Number provided above in the header of this documents.	oplication and further
Whereas, International Business Machines Corporation, a corporation of New Y business at Armonk, New York (herein referred to as "IBM"), desires to acquire inventor desires to grant to IBM, the entire worldwide right, title, and interest in in and to any and all patent applications and patents directed thereto:	, and each undersigned
Now, therefore, for good and valuable consideration, the receipt and sufficiency acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or has seassigned, and otherwise transfers or has transferred to IBM (the "ASSIGNEE"), representatives, and assigns, the entire worldwide right, title, and interest in and above-identified United States patent application, and any and all other patent applications.	old, assigns or has its successors, legal to the Invention, the

representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, or assigns.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

Thereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Date: 12/11/12
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Date: 12/16/12

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