

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>TAKESHI KONDO</td> <td>03/04/2013</td> </tr> <tr> <td>AKIRA INABA</td> <td>04/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	TAKESHI KONDO	03/04/2013	AKIRA INABA	04/03/2013
Name	Execution Date						
TAKESHI KONDO	03/04/2013						
AKIRA INABA	04/03/2013						
RECEIVING PARTY DATA							
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Postal Code:	19809						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13854349</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13854349		
Property Type	Number						
Application Number:	13854349						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	CAROL REEDER						
Signature:	/CAROL REEDER/						

Date:

04/04/2013

Total Attachments: 2

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ASSIGNMENT

We, the undersigned

TAKESHI KONDO, AKIRA INABA

Hereby declare that

We are the true and first inventors of an invention entitled

SOLAR CELL COMPRISING A P-DOPED SILICON WAFER
AND AN ALUMINUM ELECTRODE

which is disclosed in the United States Patent Application No. 13854349 filed on April 01, 2013 and which is identified as Case Number EL1146-US-NP.

For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

I. Sell, assign, and transfer unto E I DU PONT DE NEMOURS AND COMPANY, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the sole and entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) file such applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

Takeshi Kondo (L.S.)
TAKESHI KONDO
DATE: 2013/4/3

Akira Inaba (L.S.)
AKIRA INABA
DATE: 2013. 4/3

ASSIGNMENT

We, the undersigned

AKIRA INABA, TAKESHI KONDO

Hereby declare that

We are the true and first inventors of an invention entitled

BACK-SIDE ELECTRODE OF P-TYPE SOLAR CELL

which is disclosed in the United States Patent Application No. 13/737091 filed on January 09, 2013 and which is identified as Case Number EL1009-US-NP.

For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

I. Sell, assign, and transfer unto E I DU PONT DE NEMOURS AND COMPANY, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the sole and entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) file such applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

Akira Inaba (L.S.)
AKIRA INABA
DATE: 2013/4/3

Takeshi Kondo (L.S.)
TAKESHI KONDO
DATE: 2013/4/3