

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

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>Daisuke Kitazawa</td><td>05/17/2011</td></tr><tr><td>Shuhei Yamamoto</td><td>05/17/2011</td></tr><tr><td>Nobuhiro Watanabe</td><td>05/17/2011</td></tr><tr><td>Jun Tsukamoto</td><td>05/17/2011</td></tr></tbody></table>	Name	Execution Date	Daisuke Kitazawa	05/17/2011	Shuhei Yamamoto	05/17/2011	Nobuhiro Watanabe	05/17/2011	Jun Tsukamoto	05/17/2011	
Name	Execution Date										
Daisuke Kitazawa	05/17/2011										
Shuhei Yamamoto	05/17/2011										
Nobuhiro Watanabe	05/17/2011										
Jun Tsukamoto	05/17/2011										
RECEIVING PARTY DATA											
Name:	Toray Industries, Inc.										
Street Address:	1-1, Nihonbashi-Muromachi 2-chome										
Internal Address:	Chuo-ku										
City:	Tokyo										
State/Country:	JAPAN										
Postal Code:	103-8666										
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>13144532</td></tr></tbody></table>	Property Type	Number	Application Number:	13144532							
Property Type	Number										
Application Number:	13144532										
CORRESPONDENCE DATA											
Fax Number: (215)656-2498 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 215-656-3381											
Email: pto.phil@dlapiper.com											
Correspondent Name: IP GROUP OF DLA PIPER LLP (US)											
Address Line 1: ONE LIBERTY PLACE											
Address Line 2: 1650 MARKET ST, SUITE 4900											
Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103											
ATTORNEY DOCKET NUMBER:	TIP-11-1170 (308877-321)										
NAME OF SUBMITTER:	Leslie Hood										
Total Attachments: 1 source=Assignment#page1.tif											

CH \$40.00 13144532

501594486

PATENT
REEL: 026590 FRAME: 0084

ASSIGNMENT

WHEREAS, we, Daisuke Kitazawa, Shuhei Yamamoto, Nobuhiro Watanabe and Jun Tsukamoto, citizens of Japan, all residing at c/o Shiga Plant, Toray Industries, Inc., 1-1, Sonoyama 1-chome, Otsu-shi, Shiga 520-8558 Japan, (hereinafter referred to as "the undersigned"), having made an invention entitled MATERIAL FOR PHOTOVOLTAIC DEVICE, AND PHOTOVOLTAIC DEVICE, identified in International Application No. PCT/JP2010/050586, and in US Application No. 13/144,532, (DLA Piper is authorized to insert the Serial No. when known),

WHEREAS, Toray Industries, Inc., with offices located at 1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 1038666, Japan (hereinafter referred to as "the assignee"), is desirous of acquiring the entire right, title and interest in said invention, said US application and all letters patent issuing for said invention,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee the entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said US application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the assignee, and to execute all instruments proper to carry out the intent of this instrument. If the undersigned includes more than one individual, these obligations shall apply to all of the undersigned both individually and collectively.

The rights and property herein conveyed by the undersigned are free and clear of any encumbrance.

EXECUTED on the date(s) set forth below:

May 17, 2011
Date

May 17, 2011
Date

May 17, 2011
Date

May 17, 2011
Date

Daisuke Kitazawa
Daisuke Kitazawa

Shuhei Yamamoto
Shuhei Yamamoto

Nobuhiro Watanabe
Nobuhiro Watanabe

Jun Tsukamoto
Jun Tsukamoto

EAST/008511/HR 1