# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

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MASATO YOSHIDA	01/31/2011
TAKESHI NOJIRI	01/31/2011
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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14262719

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SIGNATURE:	/Dean L. Fanelli/
DATE SIGNED:	05/31/2017

**Total Attachments: 1** 

**PATENT REEL: 042546 FRAME: 0192** 

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PATENT REEL: 042546 FRAME: 0193

#### **ASSIGNMENT**

(護羅証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi Chemical Company, Ltd., a corporation organized under the laws of Japan,

located at 1-1, Nishi-Shinjuku 2-chome, Shinjuku-ku Tokyo 163-0449, Japan,

receipt of which is hereby acknowledged, I do hereby sell and assign to said Hitachi Chemical Company, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

# COMPOSITION FOR FORMING P-TYPE DIFFUSION LAYER, METHOD FOR FORMING P-TYPE DIFFUSION LAYER, AND METHOD FOR PRODUCING PHOTOVOLTAIC CELL

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted,

to be held and enjoyed by said Hitachi Chemical Company, Ltd.,

its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner for Patents to issue said Letters Patent to said Hitachi Chemical Company, Ltd.,

Signed on the date(s) indicated aside our signatures:

INVENTOR(S)	Date Signed
(発明者フルネームサイン)	(署名日)
1) Jouichi Machi	1/31/2011
2) Masato Yoshida	1/31/2011
3) Jakeshi nojiri	1/31/2011
4) CCC	2/1/2011
5) Mitsunori Juanura	1/31/2011
6) Shuichineu Adachi	/31 / 2011
7)	
8)	
9)	

PATENT REEL: 042546 FRAME: 0194

RECORDED: 05/31/2017