

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JIE TANG	09/26/2014
FEIFEI ZHANG	09/12/2014
NORIO SHINYA	09/12/2014
QIAN CHENG	09/18/2014
LUCHANG QIN	09/25/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NATIONAL INSTITUTE FOR MATERIALS SCIENCE
<b>Street Address:</b>	2-1, SENGEN 1-CHOME, TSUKUBA-SHI
<b>City:</b>	IBARAKI
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14425436
<b>CORRESPONDENCE DATA</b>	
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	202-721-8200
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<b>ATTORNEY DOCKET NUMBER:</b>	2014-1545A
<b>NAME OF SUBMITTER:</b>	KELLY GREENE
<b>SIGNATURE:</b>	/Kelly Greene/
<b>DATE SIGNED:</b>	03/03/2015
<b>Total Attachments: 6</b>	
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# ASSIGNMENT

In consideration of good and valuable consideration paid to each of the undersigned

Insert Name(s) Jie TANG  
of Feifei ZHANG  
Inventor(s) Norio SHINYA  
Qian CHENG  
Luchang QIN

Insert Name(s) the undersigned hereby sell(s) and assign(s) to  
of NATIONAL INSTITUTE FOR MATERIALS SCIENCE  
Assignee(s) of 2-1, Sengen 1-chome, Tsukuba-shi, Ibaraki, JAPAN  
Address

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of  
Invention

The undersigned agree(s) to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements, which includes the right to claim priority and the right to be granted a patent in any PCT Contracting State.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the USPTO to issue any and all Letters Patents of the United States resulting from said application or any continuation, divisional or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and covenant(s) that the undersigned have not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of Wenderoth Lind & Ponack, L.L.P.,  
the power to insert on this document any further identification which may be  
necessary or desirable.

Executed by the undersigned on the date(s) opposite the undersigned name(s).

Jie Tang Sept. 26, 2014  
(Signature) Jie TANG (Date)

\_\_\_\_\_  
(Signature) Feifei ZHANG (Date)

\_\_\_\_\_  
(Signature) Norio SHINYA (Date)

\_\_\_\_\_  
(Signature) Qian CHENG (Date)

\_\_\_\_\_  
(Signature) Luchang QIN (Date)

Witness (optional) \_\_\_\_\_

Witness (optional) \_\_\_\_\_

The above application may be more particularly identified as follows:

U.S. Application Serial No.:  
Applicant Reference Number: 13F023PCT/US0

Filing Date: \_\_\_\_\_  
Attorney Docket No: \_\_\_\_\_

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Executed by the undersigned on the date(s) opposite the undersigned name(s).

(Signature) Jie TANG

(Date)

(Signature) Feifei ZHANG

(Date)

*Feifei Zhang*

*September 12, 2014*

(Signature) Norio SHINYA

(Date)

(Signature) Qian CHENG

(Date)

(Signature) Luchang QIN

(Date)

Witness (optional) \_\_\_\_\_

Witness (optional) \_\_\_\_\_

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(Signature) Jie TANG

(Date)

(Signature) Feifei ZHANG

(Date)

(Signature) *Norio Shinya*  
Norio SHINYA

*September 12, 2019*

(Date)

(Signature) Qian CHENG

(Date)

(Signature) Luchang QIN

(Date)

Witness (optional) \_\_\_\_\_

Witness (optional) \_\_\_\_\_

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(Signature) Feifei ZHANG

(Date)

(Signature) Norio SHINYA

(Date)

(Signature) Qian CHENG

(Date)

(Signature) Luchang QIN

(Date)

25 Sept. 2014

Witness (optional)

Witness (optional)

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