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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hideyuki SHINAGAWA	02/08/2012
Shinobu OHKI	02/08/2012
Tadashi SHIMIZU	02/08/2012

RECEIVING PARTY DATA

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State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13381204

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ATTORNEY DOCKET NUMBER:	2011-2015A
NAME OF SUBMITTER:	Karen Gass

Total Attachments: 2

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> PATENT REEL: 027917 FRAME: 0297

OF \$40.00 13381204

Hidevuki SHINAGAWA

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

of Inventor(s) Shinobu OHKI	
Tadashi SHIMIZU	
(I) is a discretize well(a) and orgina(a) to	<u> </u>
the undersigned hereby sell(s) and assign(s) to Insert Name(s)	
of Assignee(s) NATIONAL INSTITUTE FOR MATERIALS SCIENCE	
of 2-1, Sengen 1-chome, Tsukuba-shi, Ibaraki, JAPAN Address	
(hereinafter designated as the Assignee) the entire right, title and interest for the Unite defined in 35 USC 100, in the invention known as	d States as
Pate of Superior for patent in the Heited States has been executed by the under	
Date of for which an application for patent in the United States has been executed by the under Signing of	rsig ne a
Application on	

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, 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 interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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.

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 Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they 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., 1030 15th Street, N.W., Suite 400 East, Washington, D.C. 20005-1503, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordal of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date February 8, 2012	Hideyuki Shinagawa Hideyuki Shinagawa
Date February 8, 2012	<u>Shinobu Ohki</u> Shinobu OHKI
Date February 8, 2012	Tadaohi ShimiZu Tadashi SHIMIZU
Date	
(This assignment should preferably be acknowled execution by the Inventor(\$) should be witnessed by at lea Witness	
Witness	
ACKNOW	LEDGMENT
	SS
This day of to me pers foregoing assignment, who did acknowledge to me that he the purposes therein set forth.	, 20, before me personally came the above-named sonally known as the individual(s) who executed the e (they) executed the same of his (their) own free will for
SEAL	Official Signature
	Official Title
The above application may be more particularly	identified as follows:
U.S. Application Serial No.:	Filing Date: December 28, 2011
A threat Professiona Number: 1000270/77/190	Attorney Docket No : 2011 2015A

PATENT REEL: 027917 FRAME: 0299

RECORDED: 03/23/2012