

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KENICHI HARIGAE	02/22/2019
HIROSHI KAMIGA	02/22/2019
NORIAKI NOGAMI	02/22/2019
RECEIVING PARTY DATA	
Name:	DOWA ELECTRONICS MATERIALS CO., LTD.
Street Address:	14-1, SOTOKANDA 4-CHOME
City:	CHIYODA-KU, TOKYO
State/Country:	JAPAN
Postal Code:	101-0021
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16330878
CORRESPONDENCE DATA	
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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>	
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Correspondent Name:	CARMODY TORRANCE SANDAK & HENNESSEY LLP
Address Line 1:	195 CHURCH STREET
Address Line 2:	PO BOX 1950
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ATTORNEY DOCKET NUMBER:	27231-111A
NAME OF SUBMITTER:	JENNIFER A. CALCAGNI
SIGNATURE:	/Jennifer Calcagni/
DATE SIGNED:	03/06/2019
Total Attachments: 3	
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ASSIGNMENT

WHEREAS, I/we,

Kenichi HARIGAE, residing at Tokyo, Japan;

Hiroshi KAMIGA, residing at Tokyo, Japan;

Noriaki NOGAMI, residing at Tokyo, Japan;

having made an invention entitled CONDUCTIVE PASTE, METHOD FOR PRODUCING SAME, AND METHOD FOR PRODUCING SOLAR CELL, Attorney Docket No. 2723 I-1114 an application for which a patent of The United States of America is being executed concurrently herewith; or

I/we hereby authorize and request our attorney, Jennifer A. Calcagni of Carmody Torrance Sandak & Hennessey LLP, 195 Church Street, P.O. Box 1950, New Haven, CT 06509-1950 to insert the filing date and application number of said application when known in the spaces provided below:

Filing Date: March 6, 2019

U.S. Serial Application No.: 16/330,878

NOW, THEREFORE, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto **DOWA Electronics Materials Co., Ltd.**, having an office and place of business at 14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo 101-0021 Japan, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any divisional, continuation or continuation-in-part, of said application, and in and to any and all patents and reissues and extensions thereof, of The United States of America, which have been or may be granted on any of the foregoing to be held and enjoyed as fully and exclusively as they would have been by me/us had this assignment and transfer not been made;

I/We do further agree for myself/ourselves and for my/our heirs, executors and administrators to execute and deliver without further consideration any further applications, assignments and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by the said **DOWA Electronics Materials Co., Ltd.**, its successors, assigns, and nominees, fully to secure their interest as aforesaid and to obtain or maintain patents in any and all countries;

And I/we do hereby authorize and request the Commissioner of Patents to issue any and all patents which may be granted upon any of the said applications, to the said **DOWA Electronics Materials Co., Ltd.** as the assignee of the entire interest therein.

IN TESTIMONY WHEREOF, I/we have hereunto signed my/our name(s) on the date indicated hereinafter.

Kenichi Harigae
NAME: Kenichi HARIGAE

Feb. 22, 2019
Date

SIGNED IN THE PRESENCE OF WITNESSES:

(1) _____
Print Name:

Date: _____

(2) _____
Print Name:

Date: _____

Hiroshi Kamiga
NAME: Hiroshi KAMIGA

Feb. 22, 2019
Date

SIGNED IN THE PRESENCE OF WITNESSES:

(1) _____
Print Name:

Date: _____

(2) _____
Print Name:

Date: _____

Noriaki Nogami
NAME: Noriaki NOGAMI

Feb. 22, 2019
Date

SIGNED IN THE PRESENCE OF WITNESSES:

(1) _____
Print Name:

Date: _____

(2) _____
Print Name:

Date: _____