

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT4017842

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the SECOND ASSIGNEE NAME previously recorded on Reel 030227 Frame 0562. Assignor(s) hereby confirms the ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YASUHIRO OKAMOTO	03/25/2013
AKIRA OKADA	03/25/2013
HARUYA KURIHARA	03/15/2013
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<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13777872
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)932-3560
<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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<b>NAME OF SUBMITTER:</b>	JOCELYN LIN
<b>SIGNATURE:</b>	/Jocelyn Lin/
<b>DATE SIGNED:</b>	08/22/2016

**Total Attachments: 4**

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**PATENT ASSIGNMENT**

Electronic Version v1.1  
Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Yasuhiro Okamoto	03/25/2013
Akira Okada	03/25/2013
Haruya Kurihara	03/15/2013
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<b>Street Address:</b>	4023, Nakatsu, Aikawa-cho
<b>City:</b>	Aiko-gun, Kanagawa
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13777872
<b>CORRESPONDENCE DATA</b>	

**PATENT****REEL: 039774 FRAME: 0903**

<b>Fax Number:</b>	9499323560
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<b>Correspondent Name:</b>	CANON U.S.A. INC. INTELLECTUAL PROPERTY
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<b>ATTORNEY DOCKET NUMBER:</b>	B122942-US
<b>NAME OF SUBMITTER:</b>	Jocelyn Lin
<b>Signature:</b>	/Jocelyn Lin/
<b>Date:</b>	04/16/2013
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<b>RECEIPT INFORMATION</b>	
<b>EPAS ID:</b>	PAT2354752
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<b>Fee Amount:</b>	\$40

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**PATENT**

ASSIGNMENT

FOR VALUE RECEIVED, I/WE

Yasuhiko Okamoto

Akira Okada

Haruya Kurihara

citizens of **Japan**

hereby sell, assign, transfer and convey unto **CANON MARKETING JAPAN KABUSHIKI KAISHA**

a corporation of **Japan**

having a place of business at **2-16-6, Konan, Minato-ku, Tokyo, Japan**

and unto **KABUSHIKI KAISHA MAKINO HURAIKU SEISAKUSHO** SEISAKUSHO

ST  
8/20/16

a corporation of **Japan**

having a place of business at **4023, Nakatsu, Aikawa-cho, Aiko-gun, Kanagawa, Japan**

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title, and interest, for all countries, in and to certain inventions relating to

**MULTI-WIRE ELECTRICAL DISCHARGE MACHINING SYSTEM, MULTI-WIRE ELECTRICAL DISCHARGE MACHINING APPARATUS, POWER SUPPLY DEVICE, MULTI-WIRE ELECTRICAL DISCHARGE MACHINING METHOD, SEMICONDUCTOR SUBSTRATE, SOLAR CELL SUBSTRATE, SUBSTRATE MANUFACTURING SYSTEM, AND SUBSTRATE MANUFACTURING METHOD**

and described in an application for Letters Patent of the United States executed by me/us, and filed on February 26, 2013 as United States Application No. 13/777872, and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and I/we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND I/we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me/us.

AND I/we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and

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more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND I/we hereby covenant that I/we have the full right to convey the entire right, title and interest herein assigned and that I/we have not executed and will not execute any agreement in conflict herewith.

AND I/we hereby covenant and agree that I/we will communicate to said Assignee or nominees all facts known to me/us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

By:   
Yasuhiro Okamoto

Date: March 25, 2013

By:   
Akira Okada

Date: March 25, 2013

By:   
Haruya Kurihara

Date: March 15, 2013