

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3669380

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RYOHEI TAKEDA	12/09/2015
RYUICHI TAKASHIMA	12/09/2015
YOSHINOBU OOYA	12/09/2015
RECEIVING PARTY DATA	
Name:	TOKYO ELECTRON LIMITED
Street Address:	3-1, AKASAKA 5-CHOME, MINATO-KU,
City:	TOKYO
State/Country:	JAPAN
Postal Code:	107-6325
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14977756
CORRESPONDENCE DATA	
Fax Number:	(202)797-8188
<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>	
Phone:	202 797 4181
Email:	IPUSA@IPUSAPAT.COM, ips@itohpat.co.jp
Correspondent Name:	IPUSA, P.L.L.C
Address Line 1:	1054 31ST STREET, N.W.
Address Line 2:	SUITE 400
Address Line 4:	WASHINGTON, D.C. 20007
ATTORNEY DOCKET NUMBER:	15EL-026
NAME OF SUBMITTER:	HERMAN PARIS
SIGNATURE:	/Herman Paris/
DATE SIGNED:	12/22/2015
Total Attachments: 2	
source=15EL-026AssignmentRecordation#page1.tif	
source=15EL-026AssignmentRecordation#page2.tif	

ASSIGNMENT

THIS ASSIGNMENT, by (1) Ryohei TAKEDA, (2) Ryuichi TAKASHIMA,
and (3) Yoshinobu OOYA, (hereinafter referred to as "Assignors"), residing at (1)
Kurokawa-gun, Miyagi, Japan, (2) Kurokawa-gun, Miyagi, Japan, and (3)
Kurokawa-gun, Miyagi, Japan, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in
ETCHING METHOD AND ETCHING APPARATUS,

(Application No. _____, filed _____)

set forth in a patent application for Letters Patent of the United States, either previously
filed or executed concurrently herewith; and

WHEREAS, Tokyo Electron Limited (hereinafter referred to as "Assignee"),
having offices at 3-1, Akasaka 5-chome, Minato-ku, Tokyo 107-6325 Japan, is
desirous of acquiring the entire right, title and interest in and to said inventions and said
application for Letters Patent of the United States, and in and to any Letters Patent of the
United States to be obtained therefor and thereon;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good
and sufficient consideration, the receipt of which is hereby acknowledged, Assignors
have sold, assigned, transferred and set over, and by these presents do sell, assign,
transfer and set over, unto Assignee, its successors, legal representatives and assigns, the
entire right, title and interest in and to the above-mentioned inventions and application for
Letters Patent, and in and to any and all direct and indirect divisions, continuations,
continued prosecutions, and continuations-in-part of said application, and any and all
Letters Patent in the United States and all foreign countries which may be granted
therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent,
and all rights under the International Convention for the Protection of Industrial Property,
the same to be held and enjoyed by the Assignee, for its own use and benefit and the use
and benefit of its successors, legal representatives and assigns, to the full end of the term
or terms for which Letters Patent may be granted and/or extended, as fully and entirely as
the same would have been held and enjoyed by Assignors, had this sale and Assignment
not been made;

AND for the same consideration, Assignors hereby represent and warrant to
Assignee, its successors legal representatives and assigns, that, at the time of execution
and delivery of these presents, except for any rights, titles, and or interests that have
arisen to Assignee under the law or that have already been transferred to Assignee,
Assignors are the sole and lawful owners of the entire right, title and interest in and to
said inventions and application for Letters Patent above-mentioned, and that the same are

unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives, and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns shall advise; that any proceeding in connection with said inventions, or said patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation, continued prosecutions, or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable;

AND Assignors hereby request that the Director of the United States Patent and Trademark Office issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the said Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns;

AND Assignors hereby grant the following individuals 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 and Trademark Office for recordation of this document: All practitioners associated with the Customer Number 77464.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

December 9, 2015
Date

Ryohei Takeda
Ryohei TAKEDA

December 9, 2015
Date

Ryuichi Takashima
Ryuichi TAKASHIMA

December 9, 2015
Date

Yoshinobu Ooya
Yoshinobu OOYA