

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TOSHIYUKI ARAKANE	04/09/2020
TETSU TSUNAMOTO	04/09/2020
YOSHINORI OSAKI	04/09/2020
MASANORI SATO	04/09/2020
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16854067
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<b>NAME OF SUBMITTER:</b>	YOSHIE JONES
<b>SIGNATURE:</b>	/Yoshie Jones/
<b>DATE SIGNED:</b>	04/21/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 4</b>	

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source=19EL-044CombinedDeclaration\_Assignment#page4.tif

**VERIFICATION OF TRANSLATION**

I, Tadashige Itoh, a Patent Attorney of Tokyo, Japan having my office at 16th Floor, Marunouchi MY PLAZA (Meiji Yasuda Seimei Building), 1-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-0005 Japan do solemnly and sincerely declare that the English-language translation(s) in the attached combined declaration and assignment(s) is correct, true and faithful translation(s) to the best of my knowledge and belief.

Dated April 21, 2020



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Tadashige Itoh  
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## COMBINED DECLARATION AND ASSIGNMENT

### 特許出願宣言書及び譲渡証

本譲渡証は、(1) \_\_\_\_\_、(2) \_\_\_\_\_、  
(3) \_\_\_\_\_、及び(4) \_\_\_\_\_に居所を有する、  
(1) \_\_\_\_\_、(2) \_\_\_\_\_、(3) \_\_\_\_\_、及  
び(4) \_\_\_\_\_ (以下、譲渡人) によるものであ  
り、

譲渡人は、既に出願された、又は、本譲渡証と同時に  
署名される米国特許証のための特許出願に記載された  
以下の発明の名称を有する発明をなし：

(出願番号： \_\_\_\_\_)  
出願日： \_\_\_\_\_)、

一方、 \_\_\_\_\_に営業所を有する、  
\_\_\_\_\_ (以下、譲受人) は、上記発明及び米  
国特許証のための上記出願、及びそこから得られる全  
ての米国特許証に関する全ての権利、権原、及び利益  
の取得を希望し、

そのためここに、受領を確認した5ドル及び有効にし  
て価値ある他の対価と引き換えに、譲渡人は、譲受人  
ならびにその承継人、法定代理人及び (更なる) 譲受  
人に対して、上記発明及び特許証のための上記出願、  
及び上記特許出願の全ての直接的及び間接的な分割出  
願、継続出願、継続審査及び一部継続出願、それらに  
基づく合衆国及びにあらゆる全ての外国において付与  
される全ての特許証、当該特許証の再発行、再審査及  
び延長についての全ての権利、権原及び利益と、工業  
所有権保護に関する国際条約上の全ての権利とを、本  
譲渡が実施されなかった場合に譲渡人が保持・享受し  
たであろう場合と完全に同様に、特許証の存続期間及  
び/又は延長期間が満了するまでの間、譲受人自らの  
使用及び利益のために、またその承継人、法定代理人  
及び (更なる) 譲受人の使用及び利益のために譲受人  
により保持・享受されるように、売却、譲渡、移転、  
設定しており、本書面によりこれを証する。

更に、同一の対価に対し、本書面の署名及び交付にあ  
たり、譲渡人は、法律に基づき譲受人に対して発生す  
る及び/又は既に譲受人に移転された全ての権利、権  
原及び利益を除き、譲渡人は上記発明及び特許証のた

THIS ASSIGNMENT, by (1) Toshiyuki ARAKANE, (2)  
Tetsu TSUNAMOTO, (3) Yoshinori OSAKI, and (4)  
Masanori SATO (hereinafter referred to as "Assignors"),  
residing at (1) Miyagi, Japan, (2) Miyagi, Japan, (3)  
Miyagi, Japan, and (4) Miyagi, Japan, respectively;

WHEREAS, Assignors have made an invention entitled:  
DISCHARGING METHOD AND SUBSTRATE  
PROCESSING 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  
invention 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 Five Dollars  
(\$5.00) 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 invention 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,

めの上記出願についての全ての権利、権原及び利益の唯一の法的所有者であり、それは妨げられるものではなく、更に、譲渡人は当該発明及び特許証のための出願を本譲渡証に記載された方法により売却及び移転することができる有効にして完全な権利及び法的な権威を有することを、譲受人及びにその承継人、法定代理人及び（更なる）譲受人に対して表明し、保証する。

更に、同一の対価に対し、譲渡人は、譲受人の代理人又はその承継人、法定代理人及び（更なる）譲受人の代理人が求めるときは、譲受人ならびにその承継人、法定代理人及び（更なる）譲受人に対して費用を請求することなく、上記発明に関する全ての特許証及び特許証のための出願の獲得、維持、行使及び防衛のために必要な全ての書類に署名し、全ての法的な誓約をし、全ての必要な行為を実行すること、限定されない一例としてインターフェアレンス手続きを含む上記発明、又は特許証のための上記特許出願に関連する全ての手続、又は上記発明についての全ての国の全ての特許証又は上記発明に関する特許証のための出願に関する全ての手続きは合法で望ましいこと、特許証のための全ての出願の全ての分割出願、継続出願、継続審査又は一部継続出願、又は全ての特許証の全ての再発行出願、再審査又は延長は合法で望ましいことを、譲渡人は譲受人ならびにその承継人、法定代理人及び（更なる）譲受人に対して約束及び同意する。

譲渡人はここに、譲受人並びにその承継人、法定代理人及び（更なる）譲受人による単独での使用及び利益のため、上記発明及び上記発行される特許証の譲受人として上記米国特許証を譲受人宛に発行することを、米国特許商標庁長官に要請する。

譲渡人は本書類を米国特許商標庁へ登録するための規則に従うために必要な又は望ましい更なる特定のための情報を本譲渡証に挿入する権限を以下のものを与える：カスタマーナンバー77464に関連づけられている全ての有資格者。

譲渡人は、本発明がなされた時点において当該発明を譲受人へ譲渡する義務があったことを認める。

私/我々は以上の証として以下の適切な欄に署名を行う。

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 invention 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 invention, 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 invention, or said patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said invention 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 invention 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.

IN TESTIMONY WHEREOF, I/WE have set our hand(s) in the appropriate space below.

宣言書

下記発明者である私は、以下を宣言します。

本宣言は、以下を対象とする：

- ☐ 添付の出願、あるいは  
☐ 米国出願番号又は PCT 国際出願番号

\_\_\_\_\_  
 \_\_\_\_\_ として、  
 \_\_\_\_\_ の日に提出された出願。

上記の出願は私自身、あるいは私が権限を授与したも  
 のによって行われたものです。

私は本出願に記載の発明に関する原初の発明者、ある  
 いは原初の共同発明者です。

本宣誓書において故意に虚偽の申し立てを行った場合  
 は 18 U.S.C. 1001 により、罰金あるいは最高五(5)年の  
 禁固刑、あるいはその両方による罰則の対象となるこ  
 とを承知しています。

Declaration

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☒ The attached application, or  
☐ United States application or PCT international  
 application number

filed on \_\_\_\_\_

The above-identified application was made or authorized to  
 be made by me.

I believe that I am the original inventor or an original joint  
 inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made  
 in this declaration is punishable under 18 U.S.C. 1001 by fine  
 or imprisonment of not more than five (5) years, or both.

注：本書面に必要な情報やサインは英語右欄のみに記  
 入。日本語左欄は英語原本理解のための参考情報。

Note: Insert the necessary information and  
 signature for this form in the English column only.  
 The Japanese column is reference information to  
 aid understanding of the English.

Date (日付):

Legal Name of Inventor (発明者氏名):

Signature (発明者署名):

Apr. 9. 2020  
 Toshiyuki ARAKANE  
 Toshiyuki Arakane

Date (日付):

Legal Name of Inventor (発明者氏名):

Signature (発明者署名):

April. 09. 2020  
 Tetsu TSUNAMOTO  
 T. Tsunamoto

Date (日付):

Legal Name of Inventor (発明者氏名):

Signature (発明者署名):

April. 9. 2020  
 Yoshinori OSAKI  
 Yoshinori OSAKI

Date (日付):

Legal Name of Inventor (発明者氏名):

Signature (発明者署名):

Apr. 9 2020  
 Masanori SATO  
 Masanori Sato