

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tadahiro Ohmi</td> <td>10/16/2009</td> </tr> <tr> <td>Tetsuya Goto</td> <td>10/15/2009</td> </tr> <tr> <td>Takaaki Matsuoka</td> <td>10/06/2009</td> </tr> </tbody> </table>		Name	Execution Date	Tadahiro Ohmi	10/16/2009	Tetsuya Goto	10/15/2009	Takaaki Matsuoka	10/06/2009		
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Name:	National University Corporation Tohoku University										
Street Address:	1-1, Katahira 2-chome, Aoba-ku										
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Tokyo Electron Limited</td> </tr> <tr> <td>Street Address:</td> <td>3-1, Akasaka 5-chome, Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>107-6325</td> </tr> </table>		Name:	Tokyo Electron Limited	Street Address:	3-1, Akasaka 5-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	107-6325
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: (216)579-6073 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 216-579-1700 Email: cdavis@pearne.com Correspondent Name: PEARNE & GORDON LLP Address Line 1: 1801 EAST 9TH STREET Address Line 2: SUITE 1200											

CH \$40.00 12594676

500998787

PATENT
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Address Line 4: CLEVELAND, OHIO 44114-3108

ATTORNEY DOCKET NUMBER:

MAPS-46000

NAME OF SUBMITTER:

Michael W. Garvey

Total Attachments: 6

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譲 渡 証

ASSIGNMENT

下記署名者によって、

WHEREAS, new and useful improvements
have been made by the undersigned in

マグネトロンスパッタ装置

MAGNETRON SPUTTERING
APPARATUS

において、
新規かつ有用な改良がなされ、

[X] これはアメリカ合衆国特許商標庁に出
願するための特許出願の対象である。

[X] and are the subject of a patent application
prepared for filing in the United States Patent
and Trademark Office.

[] このアメリカ合衆国の特許証が _____
日付で申込みされ、その申込み番号である
_____ によって確認される。

[] for which an application for Letters
Patent of the United States was filed on
_____, which application is identified
by Serial No. _____.

本証をもって、1-1, Katahira 2-chome,
Aoba-ku, Sendai-shi, Miyagi 980-8577 Japan
に所在する日本大学の NATIONAL
UNIVERSITY CORPORATION TOHOKU
UNIVERSITY と、3-1, Akasaka 5-chome,
Minato-ku, Tokyo 107-6325 Japan に所在す
る日本法人の TOKYO ELECTRON
LIMITED (以下、譲受人という) は、本
改良と発明及びその特許権に関する全世界
各国における一切の権利、権原及び利権を
取得することを希望する。

WHEREAS, NATIONAL UNIVERSITY
CORPORATION TOHOKU UNIVERSITY,
a university of Japan, having a place of
business at 1-1, Katahira 2-chome, Aoba-ku,
Sendai-shi, Miyagi 980-8577 Japan and
TOKYO ELECTRON LIMITED, a
corporation of Japan, having a place of
business at 3-1, Akasaka 5-chome, Minato-ku,
Tokyo 107-6325 Japan, hereinafter referred to
as "assignees", are desirous of acquiring all
right, title, and interest throughout the world in,
to, and under said improvements and inventions
and patent rights therefor.

ここに、下記署名者は相当な対価を受領し
ており、それが十分な対価であることを認
識した上で、制限なく、アメリカ合衆国内
の特許を取得するための当該特許出願、そ
の全ての分割出願及び継続出願、それに許
可が与えられた全ての特許、その全ての再

NOW, THEREFORE, be it known that, for
valuable consideration, the receipt and
sufficiency of which are hereby acknowledged,
all right, title, and interest, in the United States
and throughout the world, in, to and under said
improvements and inventions and all patents,

発行及び延長。それに基づいて過去の侵害を訴訟できる全ての権利、本改良及び発明に対して、アメリカ合衆国以外の国家や州、

または他の当局、団体、組織によって許可が与えられ得る全ての特許及びこのための全ての出願を含む、本改良及び発明と特許権、そして、そのの/そのための/そのなかの発明者証明書内の/までの/下のアメリカ合衆国内及び全世界の全ての権利、権原、及び利権を、譲受人/その承継人/受託者に販売/譲渡/移転/引き渡し；これは下記署名者によって同意及び契約され、譲受人の執行人、管理者、法的代理人により、必要時、または譲受人、その承継人又は受託者のために、一切の改良、発明、権利、権原、利権、出願、特許、特許権、またはその他の権利若しくは本譲渡証に含まれた資産を確保、又は確定することが好ましい場合、譲受人の要請によって、全ての出願、陳述書、譲渡証、及びその他の書類が作成、執行、及び伝達されるはずである。なお、アメリカ合衆国特許商標庁長に本証をもって、本譲渡に許可が与えられた全てのアメリカ合衆国特許を同一範囲内の/までの/下の全ての権利、権原及び利権の主体である譲受人に発行することが要求され、その権限が付与される。さらに、適した権限を与えられた外国公務員は、本証をもって前記出願人に許可が与えられる一切の特許証を同一範囲内の/までの/下の全ての権利、権原、及び利権の主体である譲受人に発行し得る権限が付与される。

patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and

continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignees, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignees' request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignees, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignees as owners of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignees as owners of the entire right, title and interest in, to, and under the same.

下記署名者は、本証の登記にあたり、アメリカ合衆国特許商標庁の規則に従って、必要もしくは望ましい一切の追加的な識別情報を本譲渡証に挿入できる権限を Pearne & Gordon LLP に委任する。

The undersigned hereby grants the firm of Pearne & Gordon LLP 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.

以上を確認の上、下記署名者が下記署名によって本譲渡証を発効させた。

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

(1) 発明者氏名: 大見 忠弘

(1) Inventor Name: Tadahiro OHMI

署名: _____

Signature: Tadahiro Ohmi

日付: _____

Today's Date: Oct. 16, 2009

証人: _____

Witness: Aoi Matanda

証人: _____

Witness: Aoi Matanda

(2) 発明者氏名: 後藤 哲也

(2) Inventor Name: Tetsuya GOTO

署名: _____

Signature: Tetsuya Goto

日付: _____

Today's Date: Oct 15, 2009

証人: _____

Witness: Aoi Matanda

証人: _____

Witness: Aoi Matanda

(3) 発明者氏名: 松岡 孝明

(3) Inventor Name: Takaaki MATSUOKA

署名: _____

Signature: _____

日付: _____

Today's Date: _____

証人: _____

Witness: _____

証人: _____

Witness: _____

**書状の最後の頁

**Last Page of Document

譲 渡 証

下記署名者によって、

マグネトロンスパッタ装置

において、
新規かつ有用な改良がなされ、

[X] これはアメリカ合衆国特許商標庁に出願するための特許出願の対象である。

[] このアメリカ合衆国の特許証が _____ 日付で申込みされ、その申込み番号である _____ によって確認される。

本証をもって、1-1, Katahira 2-chome, Aoba-ku, Sendai-shi, Miyagi 980-8577 Japan に所在する日本大学の NATIONAL UNIVERSITY CORPORATION TOHOKU UNIVERSITY と、3-1, Akasaka 5-chome, Minato-ku, Tokyo 107-6325 Japan に所在する日本法人の TOKYO ELECTRON LIMITED (以下、譲受人という) は、本改良と発明及びその特許権に関する全世界各国における一切の権利、権原及び利権を取得することを希望する。

ここに、下記署名者は相当な対価を受領しており、それが十分な対価であることを認識した上で、制限なく、アメリカ合衆国内の特許を取得するための当該特許出願、その全ての分割出願及び継続出願、それに許可が与えられた全ての特許、その全ての再

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

MAGNETRON SPUTTERING
APPARATUS

[X] and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office.

[] for which an application for Letters Patent of the United States was filed on _____, which application is identified by Serial No. _____.

WHEREAS, NATIONAL UNIVERSITY CORPORATION TOHOKU UNIVERSITY, a university of Japan, having a place of business at 1-1, Katahira 2-chome, Aoba-ku, Sendai-shi, Miyagi 980-8577 Japan and TOKYO ELECTRON LIMITED, a corporation of Japan, having a place of business at 3-1, Akasaka 5-chome, Minato-ku, Tokyo 107-6325 Japan, hereinafter referred to as "assignees", are desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents,

発行及び延長、それに基づいて過去の侵害を訴訟できる全ての権利、本改良及び発明に対して、アメリカ合衆国以外の国家や州、

または他の当局、団体、組織によって許可が与えられ得る全ての特許及びこのための全ての出願を含む、本改良及び発明と特許権、そして、そのの/そのための/そのなかの発明者証明書内の/までの/下のアメリカ合衆国内及び全世界の全ての権利、権原、及び利権を、譲受人/その承継人/受託者に販売/譲渡/移転/引き渡し；これは下記署名者によって同意及び契約され、譲受人の執行人、管理者、法的代理人により、必要時、または譲受人、その承継人又は受託者のために、一切の改良、発明、権利、権原、利権、出願、特許、特許権、またはその他の権利若しくは本譲渡証に含まれた資産を確保、又は確定することが好ましい場合、譲受人の要請によって、全ての出願、陳述書、譲渡証、及びその他の書類が作成、執行、及び伝達されるはずである。なお、アメリカ合衆国特許商標庁長に本証をもって、本譲渡に許可が与えられた全てのアメリカ合衆国特許を同一範囲内の/までの/下の全ての権利、権原及び利権の主体である譲受人に発行することが要求され、その権限が付与される。さらに、適した権限を与えられた外国公務員は、本証をもって前記出願人に許可が与えられる一切の特許証を同一範囲内の/までの/下の全ての権利、権原、及び利権の主体である譲受人に発行し得る権限が付与される。

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continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignees, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignees' request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignees, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignees as owners of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignees as owners of the entire right, title and interest in, to, and under the same.

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IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

(1) 発明者氏名: 大見 忠弘

(1) Inventor Name: Tadahiro OHMI

署名: _____

Signature: _____

日付: _____

Today's Date: _____

証人: _____

Witness: _____

証人: _____

Witness: _____

(2) 発明者氏名: 後藤 哲也

(2) Inventor Name: Tetsuya GOTO

署名: _____

Signature: _____

日付: _____

Today's Date: _____

証人: _____

Witness: _____

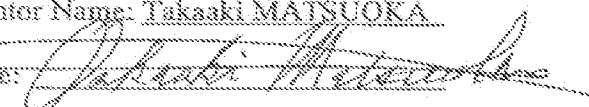
証人: _____

Witness: _____

(3) 発明者氏名: 松岡 孝明

(3) Inventor Name: Takaaki MATSUOKA

署名: _____

Signature: 

日付: _____

Today's Date: Oct 6, 2009

証人: _____

Witness: _____

証人: _____

Witness: _____

**誓状の最後の頁

**Last Page of Document