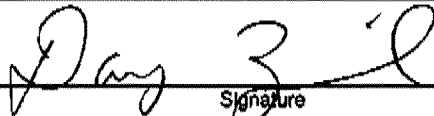


Form PTO-1595 (Rev. 03-11)
OMB No. 0651-0027 (exp. 03/31/2012)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<p>1. Name of conveying party(ies): Hiroaki Sato (09/22/2011), Kiyooki Hashimoto (09/20/2011), Yoshikuni Nakadaira (09/20/2011), and Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: <u>Tessera Research LLC</u> Internal Address: _____ Street Address: <u>3025 Orchard Parkway</u> City: <u>San Jose</u> State: <u>California</u> Country: <u>United States of America</u> Zip: <u>95134</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance/Execution Date(s): Execution Date(s): in parentheses after inventor name <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____</p>	<p>4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>13/157,722</u> <u>61/425,432</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Davy E. Zonerach</u> <u>LERNER, DAVID, LITTENBERG,</u> <u>KRUMHOLZ & MENTLIK, LLP</u> Internal Address: <u>Atty. Dkt.: TESSERA 3.0-641</u> Street Address: <u>600 South Avenue West</u> City: <u>Westfield</u> State: <u>NJ</u> Zip: <u>07090</u> Phone Number: <u>908-654-5000</u> Fax Number: <u>908-654-7866</u> Email Address: <u>ataylor@dlkm.com</u></p>	<p>6. Total number of applications and patents involved: 2</p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>80.00</u> <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)</p>
<p>8. Payment Information Deposit Account Number <u>12-1095</u> Authorized User Name <u>Davy E. Zonerach</u></p>	
<p>9. Signature: <u></u> <u>March 26, 2012</u> Signature Date <u>Davy E. Zonerach - 37,267</u> Name of Person Signing Total number of pages including cover sheet, attachments, and documents: 14</p>	

CH \$80.00 121095 13157722

**RECORDATION FORM COVER SHEET (PTO-1595)
(supplemental sheet)**

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Norhito Masuda (09/22/2011)

Additional Assignees (2. Continued):

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers
4A. Continued:

Additional Patent Numbers
4B. Continued:

Additional numbers attached?

Yes No

former PTO/SB/15 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) TESRCH 3.0-641
--	---

Whereas, I, Hiroaki Sato of Yokohama Business Park, Technical Center, 134 Goudo-cho, Hodogaya-Ku, Yokohama, JAPAN hereafter referred to as assignor, have with others invented certain new and useful improvements in SEMICONDUCTOR CHIP ASSEMBLY AND METHOD FOR MAKING SAME for which an application for a United States Letters Patent was filed on June 10, 2011 Application Number 13/157,722 for which an application for a United States Letters Patent was executed by me on _____ and

Whereas, Tessera Research LLC a limited liability company of Delaware herein referred to as "assignee" whose mailing address is 3025 Orchard Parkway, San Jose, California 95134

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 61/425,432, filed December 21, 2010, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/425,432 pursuant to any law or treaty in the countries of the world.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

Sept / 22 / 2011
(Date)

[Signature]
(Signature)

State of _____) SS:
County of _____)

On this _____ day of _____, _____ before me personally came the above-named Hiroaki Sato, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

[Signature]
(Notary Public)

<input checked="" type="checkbox"/> *Total of <u>9</u> forms are submitted.	LD-530/
---	---------

認 証



囑託人 佐藤 広陽 _____ は
本職の面前において添付書面に署名した。

よって、これを認証する。

平成23年 9月22日、本公証人役場において

横浜市中区太田町六丁目87番地
横浜地方法務局所属

公 証 人
Notary

松 本 三 雄
FUMIO MATUMOTO



証 明

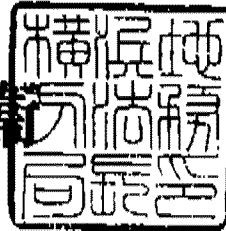
上記署名は、横浜地方法務局所属公証人の署名に相違ないものであり、かつ、その押印は、
真実のものであることを証明する。

平成23年 9月22日

横浜地方法務局長

神尾

衛



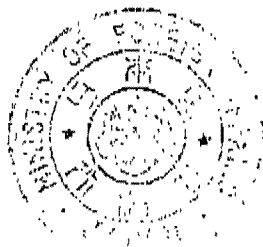
APOSTILLE

(Convention de La Haye du 5 octobre 1961)

- 1. Country : JAPAN
This public document
- 2. has been signed by **FUMIO MATUMOTO**
- 3. acting in the capacity of Notary of the Yokohama District
Legal Affairs Bureau
- 4. bears the seal/stamp of **FUMIO MATUMOTO** , Notary

Certified

- 5. at Tokyo
- 6. SEP. 22. 2011
- 7. by the Ministry of Foreign Affairs
- 8. 11- N^o 302915
- 9. Seal/stamp :
- 10. Signature :



K. Oyabe

Kazutoyo OYABE
For the Minister for Foreign Affairs

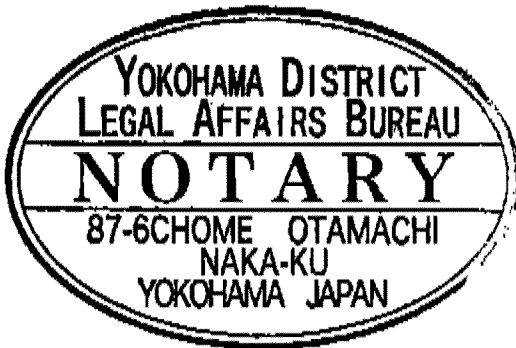


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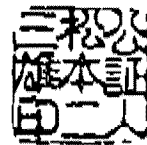
NOTARIAL CERTIFICATE

This is to certify that *Hiroaki Sato* signed
the attached document in my presence.

Date *SEP. 22 2011*



Fumio Matumoto
FUMIO MATUMOTO



Notary

Yokohama District Legal Affairs Bureau
87 - 6 Chome Otamachi Naka-ku
Yokohama-city Japan

former PTO/SB/15 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) TESRCH 3.0-641
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Whereas, I, Kiyooki Hashimoto of Yokohama Business Park, Technical Center, 134 Goudo-cho, Hodogaya-Ku, Yokohama, JAPAN hereafter referred to as assignor, have with others invented certain new and useful improvements in SEMICONDUCTOR CHIP ASSEMBLY AND METHOD FOR MAKING SAME

for which an application for a United States Letters Patent was filed on June 10, 2011

Application Number 13/157,722

for which an application for a United States Letters Patent was executed by me on _____ and _____

Whereas, Tessera Research LLC a limited liability company of Delaware herein referred to as "assignee" whose mailing address is 3025 Orchard Parkway, San Jose, California 95134 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 61/425,432, filed December 21, 2010, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/425,432 pursuant to any law or treaty in the countries of the world.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

20 ²⁰ Aug. 2011
K.H. (Date)

Kiyooki Hashimoto
(Signature)

State of _____) SS:
County of _____)

On this _____ day of _____, _____ before me personally came the above-named Kiyooki Hashimoto, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Sumire Matsumoto
(Notary Public)

*Total of 9 forms are submitted. LD-530/

認 証

囑託人 橋本 聖昭 _____ は
本職の面前において、添付書面に署名した。

よって、これを認証する。

平成23年 9 月 20 日、本公証人役場において

横浜市中区太田町六丁目87番地

横浜地方法務局所属

公 証 人

Notary

松 本 三 雄
FUMIO MATUMOTO



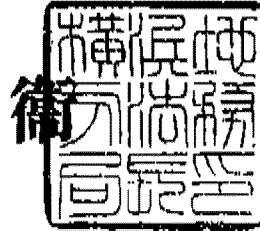
証 明

上記署名は、横浜地方法務局所属公証人の署名に相違ないものであり、かつ、その押印は、
真実のものであることを証明する。

平成23年 9 月 20 日

横浜地方法務局長

神尾 衛



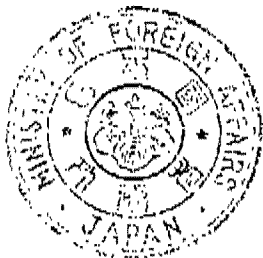
APOSTILLE

(Convention de La Haye du 5 octobre 1961)

- 1. Country : JAPAN
This public document
- 2. has been signed by **FUMIO MATUMOTO**
- 3. acting in the capacity of Notary of the Yokohama District
Legal Affairs Bureau
- 4. bears the seal/stamp of **FUMIO MATUMOTO** , Notary

Certified

- 5. at Tokyo
- 6. **SEP. 20. 2011**
- 7. by the Ministry of Foreign Affairs
- 8. 11- N^o 302907
- 9. Seal/stamp :
- 10. Signature :



K. Oyabe

Kazutoyo OYABE
For the Minister for Foreign Affairs

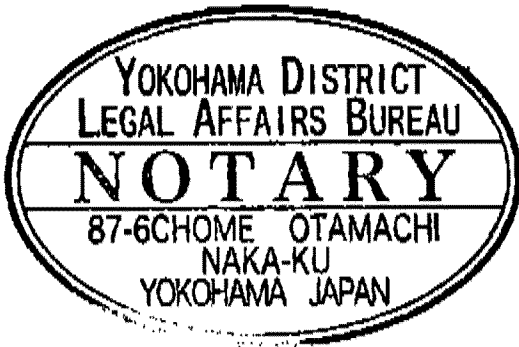


Registered No. **180**

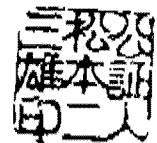
NOTARIAL CERTIFICATE

This is to certify that *Kiyooki Hashimoto* signed
the attached document in my presence.

Date **SEP. 20. 2011**



Fumio Matumoto



Fumio MATUMOTO

Notary

Yokohama District Legal Affairs Bureau
87 - 6 Chome Otamachi Naka-ku
Yokohama-city Japan

former PTO/SB/15 (8-00) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
	TESRCH 3.0-641

Whereas, I, Yoshikuni Nakadaira of Yokohama Business Park, Technical Center, 134 Goudo-cho, Hodogaya-Ku, Yokohama, JAPAN hereafter referred to as assignor, have with others invented certain new and useful improvements in SEMICONDUCTOR CHIP ASSEMBLY AND METHOD FOR MAKING SAME

for which an application for a United States Letters Patent was filed on June 10, 2011

Application Number 13/157,722

for which an application for a United States Letters Patent was executed by me on _____, and

Whereas, Tessera Research LLC a limited liability company of Delaware herein referred to as "assignee" whose mailing address is 3025 Orchard Parkway, San Jose, California 95134

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 61/425,432, filed December 21, 2010, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/425,432 pursuant to any law or treaty in the countries of the world.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

September 20, 2011
(Date)

Yoshikuni Nakadaira
(Signature)

State of _____) SS:
County of _____)

On this _____ day of _____, _____ before me personally came the above-named Yoshikuni Nakadaira, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Jusmar Tetsunoto
(Notary Public)

*Total of 9 forms are submitted. LD-530/

認 証



囑託人 中平 佳邦 _____ は
本職の面前において添付書面に署名した。

よって、これを認証する。

平成23年 9月 20日、本公証人役場において

横浜市中区太田町六丁目87番地
横浜地方法務局所属

公 証 人
Notary

松 本 三 雄
FUMIO MATUMOTO



証 明

上記署名は、横浜地方法務局所属公証人の署名に相違ないものであり、かつ、その押印は、
真実のものであることを証明する。

平成23年 9月 20日

横浜地方法務局長

神尾 衛



APOSTILLE

(Convention de La Haye du 5 octobre 1961)

- 1. Country : JAPAN
This public document
- 2. has been signed by **FUMIO MATUMOTO**
- 3. acting in the capacity of Notary of the Yokohama District
Legal Affairs Bureau
- 4. bears the seal/stamp of **FUMIO MATUMOTO** , Notary

Certified

5. at Tokyo

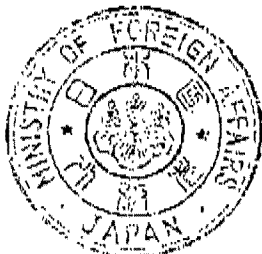
6. SEP. 20, 2011

7. by the Ministry of Foreign Affairs

8. 11- No 302906

9. Seal/stamp :

10. Signature :



K. Oyabe

Kazutoyo OYABE
For the Minister for Foreign Affairs

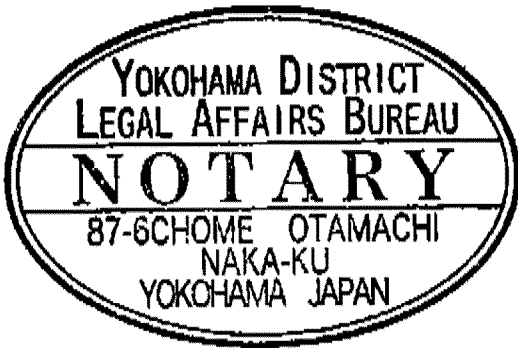


Registered No. 179

NOTARIAL CERTIFICATE

This is to certify that *Yoshikumi Nakadaita* signed
the attached document in my presence.

Date **SEP. 20, 2011**



Fumio Matsumoto

Notary

Yokohama District Legal Affairs Bureau
87 - 6 Chome Otamachi Naka-ku
Yokohama-city Japan

former PTO/SB/15 (9-00) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) TESRCH 3.0-641
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Whereas, I, Norihito Masuda of Yokohama Business Park, Technical Center, 134 Goudo-cho, Hodogaya-Ku, Yokohama, JAPAN hereafter referred to as assignor, have with others invented certain new and useful improvements in SEMICONDUCTOR CHIP ASSEMBLY AND METHOD FOR MAKING SAME for which an application for a United States Letters Patent was filed on June 10, 2011 Application Number 13/157,722 for which an application for a United States Letters Patent was executed by me on _____ and _____

Whereas, Tessera Research LLC a limited liability company of Delaware herein referred to as "assignee" whose mailing address is 3025 Orchard Parkway, San Jose, California 95134 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 61/425,432, filed December 21, 2010, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/425,432 pursuant to any law or treaty in the countries of the world.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

22, sep, 2011 (Date) Norihito Masuda (Signature)

State of _____) SS:
County of _____)

On this _____ day of _____ before me personally came the above-named Norihito Masuda, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Sumio Aizawa
(Notary Public)

<input checked="" type="checkbox"/> *Total of <u>9</u> forms are submitted.	LD-530/
---	---------

認 証



囑託人 益田憲仁 _____ は
本職の面前において添付書面に署名した。

よって、これを認証する。

平成23年 9 月 22 日、本公証人役場において

横浜市中区太田町六丁目87番地

横浜地方法務局所属

公 証 人

Notary

松 本 三 雄
FUMIO MATUMOTO



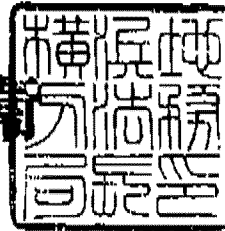
証 明

上記署名は、横浜地方法務局所属公証人の署名に相違ないものであり、かつ、その押印は、
真実のものであることを証明する。

平成23年 9 月 22 日

横浜地方法務局長

神尾 衛



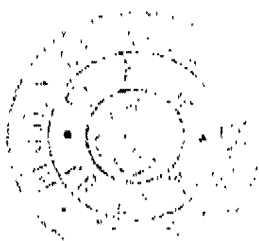
APOSTILLE

(Convention de La Haye du 5 octobre 1961)

- 1. Country : JAPAN
This public document
- 2. has been signed by **FUMIO MATUMOTO**
- 3. acting in the capacity of Notary of the Yokohama District
Legal Affairs Bureau
- 4. bears the seal/stamp of **FUMIO MATUMOTO** , Notary

Certified

- 5. at Tokyo
- 6. SEP. 22, 2011
- 7. by the Ministry of Foreign Affairs
- 8. 11- N^o 302919
- 9. Seal/stamp :
- 10. Signature :



K. Oyabe

Kazutoyo OYABE

For the Minister for Foreign Affairs

PATENT

REEL: 027943 FRAME: 0987

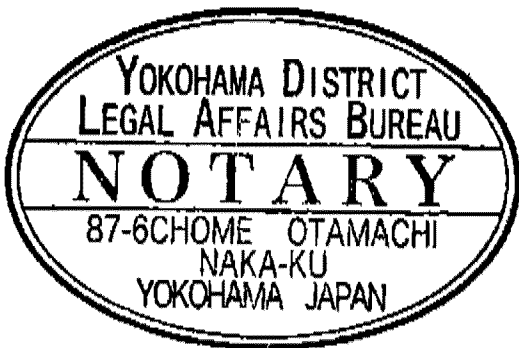


Registered No. 190

NOTARIAL CERTIFICATE

This is to certify that *Notihito Masuda* signed
the attached document in my presence.

Date **SEP. 22, 2011**



Fumio Matumoto



FUMIO MATUMOTO

Notary

Yokohama District Legal Affairs Bureau
87 - 6 Chome Otamachi Naka-ku
Yokohama-city Japan