

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Seiji SAMUKAWA</td> <td>03/22/2012</td> </tr> <tr> <td>Shigeo YASUHARA</td> <td>03/22/2012</td> </tr> <tr> <td>Shingo KADOMURA</td> <td>03/15/2012</td> </tr> <tr> <td>Tsutomu SHIMAYAMA</td> <td>03/13/2012</td> </tr> <tr> <td>Hisashi YANO</td> <td>03/22/2012</td> </tr> <tr> <td>Kunitoshi TAJIMA</td> <td>03/22/2012</td> </tr> <tr> <td>Noriaki MATSUNAGA</td> <td>03/22/2012</td> </tr> <tr> <td>Masaki YOSHIMARU</td> <td>03/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Seiji SAMUKAWA	03/22/2012	Shigeo YASUHARA	03/22/2012	Shingo KADOMURA	03/15/2012	Tsutomu SHIMAYAMA	03/13/2012	Hisashi YANO	03/22/2012	Kunitoshi TAJIMA	03/22/2012	Noriaki MATSUNAGA	03/22/2012	Masaki YOSHIMARU	03/22/2012
Name	Execution Date																		
Seiji SAMUKAWA	03/22/2012																		
Shigeo YASUHARA	03/22/2012																		
Shingo KADOMURA	03/15/2012																		
Tsutomu SHIMAYAMA	03/13/2012																		
Hisashi YANO	03/22/2012																		
Kunitoshi TAJIMA	03/22/2012																		
Noriaki MATSUNAGA	03/22/2012																		
Masaki YOSHIMARU	03/22/2012																		
RECEIVING PARTY DATA																			
<table border="1"> <tr> <td>Name:</td> <td>TOHOKU UNIVERSITY</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Katahira 2-chome, Aoba-ku, Sendai-shi</td> </tr> <tr> <td>City:</td> <td>Miyagi</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>980-8577</td> </tr> </table>		Name:	TOHOKU UNIVERSITY	Street Address:	1-1, Katahira 2-chome, Aoba-ku, Sendai-shi	City:	Miyagi	State/Country:	JAPAN	Postal Code:	980-8577								
Name:	TOHOKU UNIVERSITY																		
Street Address:	1-1, Katahira 2-chome, Aoba-ku, Sendai-shi																		
City:	Miyagi																		
State/Country:	JAPAN																		
Postal Code:	980-8577																		
PROPERTY NUMBERS Total: 1																			
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13440480</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13440480														
Property Type	Number																		
Application Number:	13440480																		
CORRESPONDENCE DATA																			
Fax Number:	(703)413-2220																		
Email:	msavanh@oblon.com																		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																			
Correspondent Name:	Oblon Spivak, et al.																		
Address Line 1:	1940 Duke Street																		
Address Line 4:	Alexandria, VIRGINIA 22314																		
ATTORNEY DOCKET NUMBER:	397443US99CONT																		

OP \$40.00 13440480

PATENT

NAME OF SUBMITTER:

Malisa Savanh

Total Attachments: 21

source=397443USassignment#page1.tif
source=397443USassignment#page2.tif
source=397443USassignment#page3.tif
source=397443USassignment#page4.tif
source=397443USassignment#page5.tif
source=397443USassignment#page6.tif
source=397443USassignment#page7.tif
source=397443USassignment#page8.tif
source=397443USassignment#page9.tif
source=397443USassignment#page10.tif
source=397443USassignment#page11.tif
source=397443USassignment#page12.tif
source=397443USassignment#page13.tif
source=397443USassignment#page14.tif
source=397443USassignment#page15.tif
source=397443USassignment#page16.tif
source=397443USassignment#page17.tif
source=397443USassignment#page18.tif
source=397443USassignment#page19.tif
source=397443USassignment#page20.tif
source=397443USassignment#page21.tif

ASSIGNMENT

P20090136US
(10S1038P)

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

LOW DIELECTRIC CONSTANT INSULATING FILM AND METHOD FOR FORMING THE SAME

have sold and assigned and do hereby sell and assign to
TOHOKU UNIVERSITY
a National University Corporation of Japan, having a business address at
1-1, Katahira 2-chome, Aoba-ku, Sendai-shi, Miyagi 980-8577 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) executed concurrently herewith
 executed on _____ ;
 Application No. 13/440,480 , filed April 5, 2012 ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm 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 U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P., 1940 Duke Street Alexandria, VA
22314

PATENT
REEL: 027997 FRAME: 0825

ASSIGNMENT

P20090136US
(10S1038P)

[1st Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577
Japan

Citizenship: Japan

Seiji Samukawa

2012. 3. 22

Seiji Samukawa

Date:

[2nd Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577
Japan

Citizenship: Japan

Shigeo Yasuhara

2012. 3. 22

Shigeo Yasuhara

Date:

[3rd Inventor]

Residence Address: Atsugi-shi, Japan

Mailing Address: 4-4-8-702, Okata, Atsugi-shi, Kanagawa-ken, Japan

Citizenship: Japan

Shingo Kadomura

Date:

[4th Inventor]

Residence Address: Kumamoto-shi, Japan

Mailing Address: 6-25-10, Izumi, Kumamoto-shi, Kumamoto-ken, Japan

Citizenship: Japan

Tsutomu Shimayama

Date:

[5th Inventor]

Residence Address: Joyo-shi, Japan

Mailing Address: 12-29, Teradashiojiri, Joyo-shi, Kyoto, Japan

Citizenship: Japan

Hisashi Yano

Date:

ASSIGNMENT

P20090136US
(10S1038P)

[6th Inventor]

Residence Address: Kyoto-shi, Japan

Mailing Address: 9-2-703, Mibusennencho, Nakagyo-ku, Kyoto-shi, Kyoto, Japan

Citizenship: Japan

Kunitoshi Tajima

Date:

[7th Inventor]

Residence Address: Chigasaki-shi, Japan

Mailing Address: 1379-2-C407, Nakajima, Chigasaki-shi, Kanagawa-ken, Japan

Citizenship: Japan

Noriaki Matsunaga

Date:

[8th Inventor]

Residence Address: Hachioji-shi, Japan

Mailing Address: 3-3-5-515, Kamiyugi, Hachioji-shi, Tokyo, Japan

Citizenship: Japan

Masaki Yoshimaru

Date:

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

LOW DIELECTRIC CONSTANT INSULATING FILM AND METHOD FOR FORMING THE SAME

have sold and assigned and do hereby sell and assign to
TOHOKU UNIVERSITY
a National University Corporation of Japan, having a business address at
1-1, Katahira 2-chome, Aoba-ku, Sendai-shi, Miyagi 980-8577 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) executed concurrently herewith
 executed on _____ ;
 Application No. 13/440,480 , filed April 5, 2012 ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm 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 U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P., 1940 Duke Street Alexandria, VA 22314

ASSIGNMENT

P20090136US
(10S1038P)

[1st Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577

Japan

Citizenship: Japan

Seiji Samukawa

Date:

[2nd Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577

Japan

Citizenship: Japan

Shigeo Yasuhara


Date:

[3rd Inventor]

Residence Address: Atsugi-shi, Japan

Mailing Address: 4-4-8-702, Okata, Atsugi-shi, Kanagawa-ken, Japan

Citizenship: Japan


Shingo Kademura


Date:

[4th Inventor]

Residence Address: Kumamoto-shi, Japan

Mailing Address: 6-25-10, Izumi, Kumamoto-shi, Kumamoto-ken, Japan

Citizenship: Japan

Tsutomu Shimayama

Date:

[5th Inventor]

Residence Address: Joyo-shi, Japan

Mailing Address: 12-29, Teradashiojiri, Joyo-shi, Kyoto, Japan

Citizenship: Japan

Hisashi Yano

Date:

ASSIGNMENT

P20090136US
(10S1038P)

[6th Inventor]

Residence Address: Kyoto-shi, Japan

Mailing Address: 9-2-703, Mibusennencho, Nakagyo-ku, Kyoto-shi, Kyoto, Japan

Citizenship: Japan

Kunitoshi Tajima

Date:

[7th Inventor]

Residence Address: Chigasaki-shi, Japan

Mailing Address: 1379-2-C407, Nakajima, Chigasaki-shi, Kanagawa-ken, Japan

Citizenship: Japan

Noriaki Matsunaga

Date:

[8th Inventor]

Residence Address: Hachioji-shi, Japan

Mailing Address: 3-3-5-515, Kamiyugi, Hachioji-shi, Tokyo, Japan

Citizenship: Japan

Masaki Yoshimaru

Date:

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

LOW DIELECTRIC CONSTANT INSULATING FILM AND METHOD FOR FORMING THE SAME

have sold and assigned and do hereby sell and assign to
TOHOKU UNIVERSITY
a National University Corporation of Japan, having a business address at
1-1, Katahira 2-chome, Aoba-ku, Sendai-shi, Miyagi 980-8577 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) executed concurrently herewith
 executed on _____ ;
 Application No. 13/440,480 , filed April 5, 2012 ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm 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 U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P., 1940 Duke Street Alexandria, VA 22314

ASSIGNMENT

P20090136US
(10S1038P)

[1st Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577
Japan

Citizenship: Japan

Seiji Samukawa

Date:

[2nd Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577
Japan

Citizenship: Japan

Shigeo Yasuhara

Date:

[3rd Inventor]

Residence Address: Atsugi-shi, Japan

Mailing Address: 4-4-8-702, Okata, Atsugi-shi, Kanagawa-ken, Japan

Citizenship: Japan

Shingo Kadomura

Date:

[4th Inventor]

Residence Address: Kumamoto-shi, Japan

Mailing Address: 6-25-10, Izumi, Kumamoto-shi, Kumamoto-ken, Japan

Citizenship: Japan

Tsutomu Shimayama
Tsutomu Shimayama

March 13, 2012
Date:

[5th Inventor]

Residence Address: Joyo-shi, Japan

Mailing Address: 12-29, Teradashiojiri, Joyo-shi, Kyoto, Japan

Citizenship: Japan

Hisashi Yano

Date:

ASSIGNMENT

P20090136US
(10S1038P)

[6th Inventor]

Residence Address: Kyoto-shi, Japan

Mailing Address: 9-2-703, Mibusennencho, Nakagyo-ku, Kyoto-shi, Kyoto, Japan

Citizenship: Japan

Kunitoshi Tajima

Date:

[7th Inventor]

Residence Address: Chigasaki-shi, Japan

Mailing Address: 1379-2-C407, Nakajima, Chigasaki-shi, Kanagawa-ken, Japan

Citizenship: Japan

Noriaki Matsunaga

Date:

[8th Inventor]

Residence Address: Hachioji-shi, Japan

Mailing Address: 3-3-5-515, Kamiyugi, Hachioji-shi, Tokyo, Japan

Citizenship: Japan

Masaki Yoshimaru

Date:

ASSIGNMENT

P20090136US
(10S1038P)

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

LOW DIELECTRIC CONSTANT INSULATING FILM AND METHOD FOR FORMING THE SAME

have sold and assigned and do hereby sell and assign to
TOHOKU UNIVERSITY
a National University Corporation of Japan, having a business address at
1-1, Katahira 2-chome, Aoba-ku, Sendai-shi, Miyagi 980-8577 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) executed concurrently herewith
 executed on _____ ;
 Application No. 13/440,480 , filed April 5, 2012 ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm 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 U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P., 1940 Duke Street Alexandria, VA
22314

PATENT
REEL: 027997 FRAME: 0834

ASSIGNMENT

P20090136US
(10S1038P)

[1st Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577
Japan

Citizenship: Japan

Seiji Samukawa

Date:

[2nd Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577
Japan

Citizenship: Japan

Shigeo Yasuhara

Date:

[3rd Inventor]

Residence Address: Atsugi-shi, Japan

Mailing Address: 4-4-8-702, Okata, Atsugi-shi, Kanagawa-ken, Japan

Citizenship: Japan

Shingo Kadomura

Date:

[4th Inventor]

Residence Address: Kumamoto-shi, Japan

Mailing Address: 6-25-10, Izumi, Kumamoto-shi, Kumamoto-ken, Japan

Citizenship: Japan

Tsutomu Shimayama

Date:

[5th Inventor]

Residence Address: Joyo-shi, Japan

Mailing Address: 12-29, Teradashiojiri, Joyo-shi, Kyoto, Japan

Citizenship: Japan

Hisashi Yano

Hisashi Yano

2012 3. 22

Date:

ASSIGNMENT

P20090136US
(10S1038P)

[6th Inventor]

Residence Address: Kyoto-shi, Japan

Mailing Address: 9-2-703, Mibusennencho, Nakagyo-ku, Kyoto-shi, Kyoto, Japan

Citizenship: Japan

Kunitoshi Tajima

Date:

[7th Inventor]

Residence Address: Chigasaki-shi, Japan

Mailing Address: 1379-2-C407, Nakajima, Chigasaki-shi, Kanagawa-ken, Japan

Citizenship: Japan

Noriaki Matsunaga

Date:

[8th Inventor]

Residence Address: Hachioji-shi, Japan

Mailing Address: 3-3-5-515, Kamiyugi, Hachioji-shi, Tokyo, Japan

Citizenship: Japan

Masaki Yoshimaru

Date:

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

LOW DIELECTRIC CONSTANT INSULATING FILM AND METHOD FOR FORMING THE SAME

have sold and assigned and do hereby sell and assign to
TOHOKU UNIVERSITY
a National University Corporation of Japan, having a business address at
1-1, Katahira 2-chome, Aoba-ku, Sendai-shi, Miyagi 980-8577 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) executed concurrently herewith
 executed on _____ ;
 Application No. 13/440,480 , filed April 5, 2012 ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm 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 U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P., 1940 Duke Street Alexandria, VA
22314

ASSIGNMENT

P20090136US
(10S1038P)

[1st Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577
Japan

Citizenship: Japan

Seiji Samukawa

Date:

[2nd Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577
Japan

Citizenship: Japan

Shigeo Yasuhara

Date:

[3rd Inventor]

Residence Address: Atsugi-shi, Japan

Mailing Address: 4-4-8-702, Okata, Atsugi-shi, Kanagawa-ken, Japan

Citizenship: Japan

Shingo Kadomura

Date:

[4th Inventor]

Residence Address: Kumamoto-shi, Japan

Mailing Address: 6-25-10, Izumi, Kumamoto-shi, Kumamoto-ken, Japan

Citizenship: Japan

Tsutomu Shimayama

Date:

[5th Inventor]

Residence Address: Joyo-shi, Japan

Mailing Address: 12-29, Teradashiojiri, Joyo-shi, Kyoto, Japan

Citizenship: Japan

Hisashi Yano

Date:

ASSIGNMENT

P20090136US
(10S1038P)

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

LOW DIELECTRIC CONSTANT INSULATING FILM AND METHOD FOR FORMING THE SAME

have sold and assigned and do hereby sell and assign to
TOHOKU UNIVERSITY
a National University Corporation of Japan, having a business address at
1-1, Katahira 2-chome, Aoba-ku, Sendai-shi, Miyagi 980-8577 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) executed concurrently herewith
 executed on _____ ;
 Application No. 13/440,480 , filed April 5, 2012 ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm 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 U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P., 1940 Duke Street Alexandria, VA
22314

PATENT
REEL: 027997 FRAME: 0840

ASSIGNMENT

P20090136US
(10S1038P)

[1st Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577

Japan

Citizenship: Japan

Seiji Samukawa

Date:

[2nd Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577

Japan

Citizenship: Japan

Shigeo Yasuhara

Date:

[3rd Inventor]

Residence Address: Atsugi-shi, Japan

Mailing Address: 4-4-8-702, Okata, Atsugi-shi, Kanagawa-ken, Japan

Citizenship: Japan

Shingo Kadomura

Date:

[4th Inventor]

Residence Address: Kumamoto-shi, Japan

Mailing Address: 6-25-10, Izumi, Kumamoto-shi, Kumamoto-ken, Japan

Citizenship: Japan

Tsutomu Shimayama

Date:

[5th Inventor]

Residence Address: Joyo-shi, Japan

Mailing Address: 12-29, Teradashiojiri, Joyo-shi, Kyoto, Japan

Citizenship: Japan

Hisashi Yano

Date:

ASSIGNMENT

P20090136US
(10S1038P)

[6th Inventor]

Residence Address: Kyoto-shi, Japan

Mailing Address: 9-2-703, Mibusennencho, Nakagyo-ku, Kyoto-shi, Kyoto, Japan

Citizenship: Japan

Kunitoshi Tajima

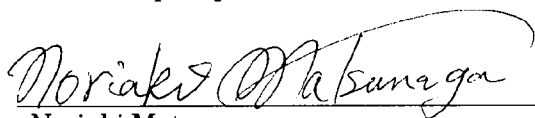
Date:

[7th Inventor]

Residence Address: Chigasaki-shi, Japan

Mailing Address: 1379-2-C407, Nakajima, Chigasaki-shi, Kanagawa-ken, Japan

Citizenship: Japan



Noriaki Matsunaga

2012. 3. 22

Date:

[8th Inventor]

Residence Address: Hachioji-shi, Japan

Mailing Address: 3-3-5-515, Kamiyugi, Hachioji-shi, Tokyo, Japan

Citizenship: Japan

Masaki Yoshimaru

Date:

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

LOW DIELECTRIC CONSTANT INSULATING FILM AND METHOD FOR FORMING THE SAME

have sold and assigned and do hereby sell and assign to
TOHOKU UNIVERSITY
a National University Corporation of Japan, having a business address at
1-1, Katahira 2-chome, Aoba-ku, Sendai-shi, Miyagi 980-8577 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) executed concurrently herewith
 executed on _____ ;
 Application No. 13/440,480 , filed April 5, 2012 ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm 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 U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P., 1940 Duke Street Alexandria, VA
22314

A S S I G N M E N T

P20090136US
(10S1038P)

[1st Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577
Japan

Citizenship: Japan

Seiji Samukawa

Date:

[2nd Inventor]

Residence Address: Sendai-shi, Japan

Mailing Address: c/o TOHOKU UNIVERSITY, 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577
Japan

Citizenship: Japan

Shigeo Yasuhara

Date:

[3rd Inventor]

Residence Address: Atsugi-shi, Japan

Mailing Address: 4-4-8-702, Okata, Atsugi-shi, Kanagawa-ken, Japan

Citizenship: Japan

Shingo Kadomura

Date:

[4th Inventor]

Residence Address: Kumamoto-shi, Japan

Mailing Address: 6-25-10, Izumi, Kumamoto-shi, Kumamoto-ken, Japan

Citizenship: Japan

Tsutomu Shimayama

Date:

[5th Inventor]

Residence Address: Joyo-shi, Japan

Mailing Address: 12-29, Teradashiojiri, Joyo-shi, Kyoto, Japan

Citizenship: Japan

Hisashi Yano

Date:

ASSIGNMENT

P20090136US
(10S1038P)

[6th Inventor]

Residence Address: Kyoto-shi, Japan

Mailing Address: 9-2-703, Mibusennencho, Nakagyo-ku, Kyoto-shi, Kyoto, Japan

Citizenship: Japan

Kunitoshi Tajima

Date:

[7th Inventor]

Residence Address: Chigasaki-shi, Japan

Mailing Address: 1379-2-C407, Nakajima, Chigasaki-shi, Kanagawa-ken, Japan

Citizenship: Japan

Noriaki Matsunaga

Date:

[8th Inventor]

Residence Address: Hachioji-shi, Japan

Mailing Address: 3-3-5-515, Kamiyugi, Hachioji-shi, Tokyo, Japan

Citizenship: Japan

Masaki Yoshimaru

Masaki Yoshimaru

2012. 3. 22

Date: