

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Tadahiro OHMI	12/06/2007
Yasuyuki SHIRAI	12/06/2007
Hitoshi MORINAGA	12/06/2007
Yasuhiro KAWASE	12/06/2007
Masafumi KITANO	12/06/2007
Fumikazu MIZUTANI	12/05/2007
Makoto ISHIKAWA	12/05/2007

RECEIVING PARTY DATA

Name:	TOHOKU UNIVERSITY
Street Address:	1-1, Katahira 2-chome, Aoba-ku, Sendai-shi
City:	Miyagi
State/Country:	JAPAN
Postal Code:	980-8577

Name:	MITSUBISHI CHEMICAL CORPORATION
Street Address:	14-1, Shiba 4-chome, Minato-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	108-0014

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11917614

CORRESPONDENCE DATA

Fax Number: (703)413-2220

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

OP \$40.00 11917614

PATENT

500420531

REEL: 020248 FRAME: 0754

Phone: (703) 413-3000
Email: dtyson@oblon.com
Correspondent Name: Oblon, Spivak, et al.
Address Line 1: 1940 Duke Street
Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	318649US0XPCT
-------------------------	---------------

NAME OF SUBMITTER:	Derrick Tyson
--------------------	---------------

Total Attachments: 4
source=318649USAssignment#page1.tif
source=318649USAssignment#page2.tif
source=318649USAssignment#page3.tif
source=318649USAssignment#page4.tif

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) TADAHIRO OHMI, YASUYUKI SHIRAI, HITOSHI MORINAGA,
YASUHIRO KAWASE, MASAFUMI KITANO, FUMIKAZU MIZUTANI, and MAKOTO ISHIKAWA
of Miyagi, Japan; Miyagi, Japan; Miyagi, Japan; Miyagi, Japan; Miyagi, Japan; Fukuoka, Japan and
Fukuoka, Japan

INSERT TITLE OF
INVENTION:

_____, respectively,
have invented certain new and useful improvements in: METAL OXIDE FILM, LAMINATE, METAL
MEMBER, AND METHODS OF MANUFACTURING THE SAME

(Application No. PCT/JP2006/309327, filed May 9, 2006), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, TOHOKU UNIVERSITY,
1-1, Katahira 2-chome, Aoba-ku, Sendai-shi, Miyagi 980-8577, Japan; and
mitsubishi chemical corporation,
14-1, Shiba 4-chome, Minato-ku, Tokyo 108-0014, Japan

_____, (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, 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.

12/04

NAMES AND SIGNATURES OF INVENTORS		
Name: TADAHIRO OHMI	Signature: <i>Tadahiro Ohmi</i>	Date: 12/6/2007
Name: YASUYUKI SHIRAI	Signature: <i>Yasuyuki Shirai</i>	Date: 12/6/2007
Name: HITOSHI MORINAGA	Signature: <i>Hitoshi Morinaga</i>	Date: 12/6/2007
Name: YASUHIRO KAWASE	Signature: <i>Yasuhiro Kawase</i>	Date: 12/6/2007
Name: MASAFUMI KITANO	Signature: <i>Masafumi Kitano</i>	Date: 12/6/2007
Name: FUMIKAZU MIZUTANI	Signature:	Date:
Name: MAKOTO ISHIKAWA	Signature:	Date:
NAMES AND SIGNATURES OF WITNESSES		
Name: SHIGEMICHI NIDAIWA	Signature: <i>Shigemichi Nidaiwa</i>	Date: 12/6/2007
Name: SHIGERU MATSUNAWA	Signature: <i>Shigeru Matsunawa</i>	Date: 12/6/2007

Note: *Prima facie* evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) TADAHIRO OHMI, YASUYUKI SHIRAI, HITOSHI MORINAGA,
YASUHIRO KAWASE, MASAFUMI KITANO, FUMIKAZU MIZUTANI, and MAKOTO ISHIKAWA
of Miyagi, Japan; Miyagi, Japan; Miyagi, Japan; Miyagi, Japan; Miyagi, Japan; Fukuoka, Japan and
Fukuoka, Japan

INSERT TITLE OF
INVENTION:

_____, respectively,
have invented certain new and useful improvements in: METAL OXIDE FILM, LAMINATE, METAL
MEMBER, AND METHODS OF MANUFACTURING THE SAME

(Application No. PCT/JP2006/309327, filed May 9, 2006), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, TOHOKU UNIVERSITY,

1-1, Katahira 2-chome, Aoba-ku, Sendai-shi, Miyagi 980-8577, Japan; and

MITSUBISHI CHEMICAL CORPORATION,

14-1, Shiba 4-chome, Minato-ku, Tokyo 108-0014, Japan

_____, (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, 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.

12/04

NAMES AND SIGNATURES OF INVENTORS		
Name: TADAHIRO OHMI	Signature:	Date:
Name: YASUYUKI SHIRAI	Signature:	Date:
Name: HITOSHI MORINAGA	Signature:	Date:
Name: YASUHIRO KAWASE	Signature:	Date:
Name: MASAFUMI KITANO	Signature:	Date:
Name: FUMIKAZU MIZUTANI	Signature: <i>Fumikazu Mizutani</i>	Date: 12/5/2007
Name: MAKOTO ISHIKAWA	Signature: <i>Makoto Ishikawa</i>	Date: 12/5/2007
NAMES AND SIGNATURES OF WITNESSES		
Name: YASUO MURASE	Signature: <i>Yasuo Murase</i>	Date: 12/5/2007
Name: MASAKO SHIBAYAMA	Signature: <i>Masako Shibayama</i>	Date: 12/5/2007

Note: *Prima facie* evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
 ATTORNEYS AT LAW
 1940 DUKE STREET
 ALEXANDRIA, VIRGINIA 22314

PATENT

RECORDED: 12/14/2007

REEL: 020248 FRAME: 0759