

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>Shinichi OUCHI</td> <td>04/20/2009</td> </tr> <tr> <td>Yongxun LIU</td> <td>04/21/2009</td> </tr> <tr> <td>Meishoku MASAHARA</td> <td>04/21/2009</td> </tr> <tr> <td>Takashi MATSUKAWA</td> <td>04/21/2009</td> </tr> <tr> <td>Kazuhiko ENDO</td> <td>04/21/2009</td> </tr> </tbody> </table> | | Name | Execution Date | Shinichi OUCHI | 04/20/2009 | Yongxun LIU | 04/21/2009 | Meishoku MASAHARA | 04/21/2009 | Takashi MATSUKAWA | 04/21/2009 | Kazuhiko ENDO | 04/21/2009 |
| Name | Execution Date | | | | | | | | | | | | |
| Shinichi OUCHI | 04/20/2009 | | | | | | | | | | | | |
| Yongxun LIU | 04/21/2009 | | | | | | | | | | | | |
| Meishoku MASAHARA | 04/21/2009 | | | | | | | | | | | | |
| Takashi MATSUKAWA | 04/21/2009 | | | | | | | | | | | | |
| Kazuhiko ENDO | 04/21/2009 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY</td> </tr> <tr> <td>Street Address:</td> <td>3-1, Kasumigaseki 1-chome, Chiyoda-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>100-8921</td> </tr> </table> | | Name: | NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY | Street Address: | 3-1, Kasumigaseki 1-chome, Chiyoda-ku | City: | Tokyo | State/Country: | JAPAN | Postal Code: | 100-8921 | | |
| Name: | NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY | | | | | | | | | | | | |
| Street Address: | 3-1, Kasumigaseki 1-chome, Chiyoda-ku | | | | | | | | | | | | |
| City: | Tokyo | | | | | | | | | | | | |
| State/Country: | JAPAN | | | | | | | | | | | | |
| Postal Code: | 100-8921 | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12521408</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12521408 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 12521408 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| <p>Fax Number: (703)413-2220</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (703) 413-3000</p> <p>Email: ajoya@oblon.com</p> <p>Correspondent Name: Oblon, Spivak, et al.</p> <p>Address Line 1: 1940 Duke Street</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p> | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 344329US | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Abdul Joya | | | | | | | | | | | | |

OP \$40.00 12521408

500903779

PATENT
REEL: 022920 FRAME: 0598

Total Attachments: 2

source=344329USAssignment#page1.tif

source=344329USAssignment#page2.tif

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) OUCHI Shinichi of c/o National Institute of Advanced Industrial Science and Technology,
Tsukuba Central 2, 1-1, Umezono 1-chome, Tsukuba-shi, Ibaraki 305-8568 Japan; and
LIU Yongxun of c/o National Institute of Advanced Industrial Science and Technology, Tsukuba
Central 2, 1-1, Umezono 1-chome, Tsukuba-shi, Ibaraki 305-8568 Japan ; and
MASAHARA Meishoku of c/o National Institute of Advanced Industrial Science and Technology,
Tsukuba Central 2, 1-1, Umezono 1-chome, Tsukuba-shi, Ibaraki 305-8568 Japan; and
MATSUKAWA Takashi of c/o National Institute of Advanced Industrial Science and Technology,
Tsukuba Central 2, 1-1, Umezono 1-chome, Tsukuba-shi, Ibaraki 305-8568 Japan ; and
ENDO Kazuhiko of c/o National Institute of Advanced Industrial Science and Technology,
Tsukuba Central 2, 1-1, Umezono 1-chome, Tsukuba-shi, Ibaraki 305-8568 Japan
 _____,
 _____,
 _____,
 _____, respectively,

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: _____

(Application No. _____, filed _____), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY
 (hereinafter referred to as "ASSIGNEE") having a place of business at: 3-1, Kasumigaseki 1-chome, Chiyoda-ku,
Tokyo 100-8921 Japan 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.

Date: 20 April 2009

Shin-ichi Ouchi
(Signature of Inventor) OUCHI Shinichi

Date: 21 April 2009

Yongxun Liu
(Signature of Inventor) LIU Yongxun

Date: 21 April 2009

昌原 明植
(Signature of Inventor) MASAHAHA Meishoku

Date: 21 April 2009

Takashi Matsukawa
(Signature of Inventor) MATSUKAWA Takashi

Date: 21 April 2009

Kazuhiko Endo
(Signature of Inventor) ENDO Kazuhiko

Date: _____

(Signature of Inventor)

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