

# PATENT ASSIGNMENT

Electronic Version v1.1

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|                                                                                                           |                                              |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                   | NEW ASSIGNMENT                               |
| <b>NATURE OF CONVEYANCE:</b>                                                                              | ASSIGNMENT                                   |
| <b>CONVEYING PARTY DATA</b>                                                                               |                                              |
| <b>Name</b>                                                                                               | <b>Execution Date</b>                        |
| Tetsuya MORI                                                                                              | 04/08/2011                                   |
| Keizo TAKAHAMA                                                                                            | 04/08/2011                                   |
| <b>RECEIVING PARTY DATA</b>                                                                               |                                              |
| <b>Name:</b>                                                                                              | SUMITOMO BAKELITE CO., LTD.                  |
| <b>Street Address:</b>                                                                                    | 5-8, Higashi-Shinagawa 2-chome, Shinagawa-ku |
| <b>City:</b>                                                                                              | Tokyo                                        |
| <b>State/Country:</b>                                                                                     | JAPAN                                        |
| <b>Postal Code:</b>                                                                                       | 140-0002                                     |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                          |                                              |
| <b>Property Type</b>                                                                                      | <b>Number</b>                                |
| <b>Application Number:</b>                                                                                | 13148191                                     |
| <b>CORRESPONDENCE DATA</b>                                                                                |                                              |
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| <b>Correspondent Name:</b>                                                                                | Oblon, Spivak, et al.                        |
| <b>Address Line 1:</b>                                                                                    | 1940 Duke Street                             |
| <b>Address Line 4:</b>                                                                                    | Alexandria, VIRGINIA 22314                   |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                            | 383972US53PCT                                |
| <b>NAME OF SUBMITTER:</b>                                                                                 | Adel Samuel                                  |
| <b>Total Attachments: 2</b><br>source=383972USAssignment#page1.tif<br>source=383972USAssignment#page2.tif |                                              |

OP \$40.00 13148191

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**PATENT**  
**REEL: 026740 FRAME: 0650**

# Assignment of Application

INSERT NAMES  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS:

WHEREAS, I (WE) Tetsuya MORI of Kanagawa, Japan,  
Keizo TAKAHAMA of Tochigi, Japan

INSERT TITLE OF  
INVENTION:

have invented certain new and useful improvements in: PHOTOSENSITIVE RESIN COMPOSITION, OPTICAL  
WAVEGUIDE FILM, FILM FOR FORMING OPTICAL WAVEGUIDE, OPTICAL INTERCONNECT, OPTO-  
ELECTRIC HYBRID CIRCUIT BOARD, ELECTRONIC DEVICE, AND A METHOD OF MANUFACTURING AN  
OPTICAL WAVEGUIDE FILM

(Application No. 13/148,191, filed August 5, 2011), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE

WHEREAS, SUMITOMO BAKELITE CO., LTD.

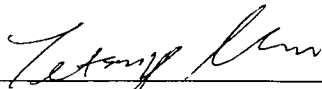
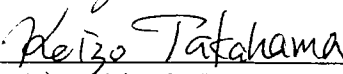
(hereinafter referred to as "ASSIGNEE") having a place of business at: 5-8, Higashi-Shinagawa 2-chome, Shinagawa-  
ku, Tokyo 140-0002 Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and  
to any Letters Patent that may be granted therefore in the United 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.

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Date: <u>April 8, 2011</u> | <u></u><br>(Signature of Inventor) Tetsuya MORI   |
| Date: <u>April 8, 2011</u> | <u></u><br>(Signature of Inventor) Keizo TAKAHAMA |
| Date: _____                | _____<br>(Signature of Inventor)                                                                                                    |
| Date: _____                | _____<br>(Signature of Inventor)                                                                                                    |
| Date: _____                | _____<br>(Signature of Inventor)                                                                                                    |
| Date: _____                | _____<br>(Signature of Inventor)                                                                                                    |

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
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