

## 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>Satoru KAWAI</td><td>01/12/2011</td></tr><tr><td>Yasuki KIMISHIMA</td><td>01/12/2011</td></tr></tbody></table>		Name	Execution Date	Satoru KAWAI	01/12/2011	Yasuki KIMISHIMA	01/12/2011
Name	Execution Date						
Satoru KAWAI	01/12/2011						
Yasuki KIMISHIMA	01/12/2011						
RECEIVING PARTY DATA							
Name:	IBIDEN CO., LTD.						
Street Address:	1, Kanda-cho 2-chome						
City:	Ogaki-shi, Gifu						
State/Country:	JAPAN						
Postal Code:	503-8604						
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>12944813</td></tr></tbody></table>		Property Type	Number	Application Number:	12944813		
Property Type	Number						
Application Number:	12944813						
CORRESPONDENCE DATA							
Fax Number:	(703)413-2220						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	(703) 413-3000						
Email:	mkassaye@oblon.com						
Correspondent Name:	Oblon, Spivak, et al.						
Address Line 1:	1940 Duke Street						
Address Line 4:	Alexandria, VIRGINIA 22314						
ATTORNEY DOCKET NUMBER:	361462US53						
NAME OF SUBMITTER:	Mesfin Kassaye						
Total Attachments: 2 source=361462US53ASSIGNMENT#page1.tif source=361462US53ASSIGNMENT#page2.tif							

OP \$40.00 12944813

501414641

PATENT  
REEL: 025684 FRAME: 0163

361462US53

## Assignment of Application

INSERT NAMES  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS

WHEREAS, I (WE) (1) Satoru KAWAI of Ogaki-shi, Gifu, Japan

(2) Yasuki KIMISHIMA of Ogaki-shi, Gifu, Japan

INSERT TITLE OF  
INVENTION

have invented certain new and useful improvements in: PRINTED WIRING BOARD AND METHOD FOR  
MANUFACTURING PRINTED WIRING BOARD

(Application No. 12/944,813, filed November 12, 2010), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE

WHEREAS, IBIDEN CO., LTD.

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1, Kanda-cho 2-chome, Ogaki-shi, Gifu 503-8604 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 (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) 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, L.L.P. 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: 2011 / 01 / 12

Satoru Kawai  
(Signature of Inventor) Satoru KAWAI

Date: 2011 / 01 / 12

Yasuki KIMISHIMA  
(Signature of Inventor) Yasuki KIMISHIMA

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

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