

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT														
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tsutomu IWAI</td> <td>02/15/2007</td> </tr> <tr> <td>Yoshihiro KODERA</td> <td>02/15/2007</td> </tr> <tr> <td>Shinya MAEDA</td> <td>02/15/2007</td> </tr> <tr> <td>Hiroyuki WATANABE</td> <td>02/15/2007</td> </tr> <tr> <td>Kazunari SUZUKI</td> <td>02/15/2007</td> </tr> <tr> <td>Kiyotaka TSUKADA</td> <td>02/15/2007</td> </tr> </tbody> </table>		Name	Execution Date	Tsutomu IWAI	02/15/2007	Yoshihiro KODERA	02/15/2007	Shinya MAEDA	02/15/2007	Hiroyuki WATANABE	02/15/2007	Kazunari SUZUKI	02/15/2007	Kiyotaka TSUKADA	02/15/2007
Name	Execution Date														
Tsutomu IWAI	02/15/2007														
Yoshihiro KODERA	02/15/2007														
Shinya MAEDA	02/15/2007														
Hiroyuki WATANABE	02/15/2007														
Kazunari SUZUKI	02/15/2007														
Kiyotaka TSUKADA	02/15/2007														
<b>RECEIVING PARTY DATA</b>															
<b>Name:</b>	IBIDEN CO., LTD.														
<b>Street Address:</b>	1, Kandacho 2-chome, Ogaki-shi														
<b>City:</b>	Gifu														
<b>State/Country:</b>	JAPAN														
<b>Postal Code:</b>	503-0917														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11576987</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11576987										
Property Type	Number														
Application Number:	11576987														
<b>CORRESPONDENCE DATA</b>															
<b>Fax Number:</b>	(703)413-2220														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
<b>Phone:</b>	(703) 413-3000														
<b>Email:</b>	cxiong@oblon.com														
<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>	305228US40PCT														
<b>NAME OF SUBMITTER:</b>	Chai Xiong														

OP \$40.00 11576987

**PATENT**

**500396504**

**REEL: 020097 FRAME: 0752**

Total Attachments: 2

source=305228usAssignment#page1.tif

source=305228usAssignment#page2.tif

# Assignment of Application

WHEREAS, I (WE) Tsutomu IWAI of c/o IBIDEN Co.,Ltd. 300, Aoyagi-cho, Ogaki-shi,Gifu 503-0961  
Japan  
Yoshihiro KODERA of c/o IBIDEN Co.,Ltd. 300, Aoyagi-cho, Ogaki-shi,Gifu 503-0961  
Japan  
Shinya MAEDA of c/o IBIDEN Co.,Ltd. 300, Aoyagi-cho, Ogaki-shi,Gifu 503-0961  
Japan  
Hiroyuki WATANABE of c/o IBIDEN Co.,Ltd. 300, Aoyagi-cho, Ogaki-shi,Gifu 503-0961  
Japan  
Kazunari SUZUKI of c/o IBIDEN Co.,Ltd. 300, Aoyagi-cho, Ogaki-shi,Gifu 503-0961  
Japan  
Kiyotaka TSUKADA of c/o IBIDEN Co.,Ltd. 300, Aoyagi-cho, Ogaki-shi,Gifu 503-0961  
Japan

INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:

\_\_\_\_\_, respectively,

INSERT TITLE OF INVENTION:

have invented certain new and useful improvements in: \_\_\_\_\_

PRINTED WIRING BOARD AND MANUFACTURING METHOD THEREOF

INSERT DATE INVENTORS SIGNED DECLARATION:

for which an application for Letters Patent was executed on \_\_\_\_\_

(Application No. 11/576,987, filed April 10, 2007), 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, Kandacho 2-chome, Ogaki-shi,

Gifu 503-0917 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: 2007. 2. 15

Tsutomu Iwai  
(Signature of Inventor) Tsutomu IWAI

Date: 2007. 2. 15

Yoshihiro Kodera  
(Signature of Inventor) Yoshihiro KODERA

Date: 2007. 2. 15

Shinya Maeda  
(Signature of Inventor) Shinya MAEDA

Date: 2007. 2. 15

Hiroyuki Watanabe  
(Signature of Inventor) Hiroyuki WATANABE

Date: 2007. 2. 15

Kazunari Suzuki  
(Signature of Inventor) Kazunari SUZUKI

Date: 2007. 2. 15

Kiyotaka Tsukada  
(Signature of Inventor) Kiyotaka TSUKADA

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

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

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

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

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

03/03