

## PATENT ASSIGNMENT

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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>Nobuyuki NAGANUMA</td> <td>08/22/2012</td> </tr> <tr> <td>Michimasa TAKAHASHI</td> <td>07/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Nobuyuki NAGANUMA	08/22/2012	Michimasa TAKAHASHI	07/31/2012
Name	Execution Date						
Nobuyuki NAGANUMA	08/22/2012						
Michimasa TAKAHASHI	07/31/2012						
RECEIVING PARTY DATA							
Name:	IBIDEN CO., LTD.						
Street Address:	2-1, Kanda-cho						
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>13483830</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13483830		
Property Type	Number						
Application Number:	13483830						
CORRESPONDENCE DATA							
Fax Number:	7034132220						
Phone:	(703) 413-3000						
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Oblon, Spivak, et al.						
Address Line 1:	1940 Duke Street						
Address Line 4:	Alexandria, VIRGINIA 22314						
ATTORNEY DOCKET NUMBER:	391964US DECLARATION						
NAME OF SUBMITTER:	Brian Palmer						
<p>Total Attachments: 4          source=391964USassn#page1.tif          source=391964USassn#page2.tif          source=391964USassn#page3.tif          source=391964USassn#page4.tif</p>							

OP \$40.00 13483830

391964US53

## Assignment of Application

INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:

WHEREAS, I (WE) Nobuyuki NAGANUMA of Ogaki-shi, Gifu, Japan; and  
Michimasa TAKAHASHI of Ogaki-shi, Gifu, Japan  
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 \_\_\_\_\_  
 \_\_\_\_\_, respectively,

INSERT TITLE OF INVENTION:

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

(Application No. 13/483,830, filed May 30, 2012), 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: 2-1, Kanda-cho, 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 Letters 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: 22/8/2012

  
(Signature of Inventor) Nobuyuki NAGANUMA

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

(Signature of Inventor) Michimasa TAKAHASHI

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



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

(Signature of Inventor) Nobuyuki NAGANUMA

Date: 3/17/2012

*Michimasa Takahashi*  
(Signature of Inventor) Michimasa TAKAHASHI

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