PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yukinobu MIKADO	12/13/2011
Shunsuke SAKAI	12/13/2011
Mitsuhiro TOMIKAWA	12/13/2011

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

Property Type	Number
Application Number:	13307480

CORRESPONDENCE DATA

 Fax Number:
 (703)413-2220

 Phone:
 (703) 413-3000

 Email:
 bpalmer@oblon.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Correspondent Name: Oblon, Spivak, et al.

Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	384599US53
NAME OF SUBMITTER:	Brian Palmer

Total Attachments: 2

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PATENT REEL: 027568 FRAME: 0823 OP \$40.00 13

Assignment of Application

INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS.	WHEREAS, I (WE) Yukinobu MIKADO of Ogaki-shi, Gifu, Japan;	
	Shunsuke SAKAI of Ogaki-shi, Gifu, Japan; and	
	Mitsuhiro TOMIKAWA of Ogaki-shi, Gifu, Japan	
		, respectively,
NSERT TITLE OF NVENTION:	have invented certain new and useful improvements in: WIRING BOARD AND METHOD FOR	
	MANUFACTURING THE SAME	
	(Application No. 13/307,480 , filed November 30, 2011), and
ISERT NAME	WHEREAS, IBIDEN CO., LTD.	
ND ADDRESS OF OMPANY OR	(hereinafter referred to as "ASSICNIEE") having a large of the second of	

(hereinaster 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: 3 /12 /2011	Yukindu Mikado
Date.	(Signature of Inventor) Yukinobu MIKADO
Date: 13 /12 /2011	Shunsuke Sakai
Date.	(Signature of Inventor) Shunsuke SAKAI
Date:/3/12 /201/	mitsuhiro Tomikawa
	(Signature of Inventor) Mitsuhiro TOMIKAWA
Date	
Date:	(Signature of Inventor)
Date:	(Signature of Inventor)
	(OBJACAS OF INTERIOR)
Date:	
	(Signature of Inventor)

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

07/09