# 502465830 08/21/2013

### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
Naoto ISHIDA	08/02/2013

### RECEIVING PARTY DATA

Name:	IBIDEN Co., Ltd.	
Street Address:	1, Kandacho 2-chome	
City:	Ogaki-shi, Gifu	
State/Country:	JAPAN	
Postal Code:	503-8604	

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13948642

#### CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	417832US53
NAME OF SUBMITTER:	Mesfin Kassaye
Signature:	/Mesfin Kassaye/
Date:	08/21/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 1

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PATENT REEL: 031050 FRAME: 0782

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

TUFACTURING PRINTED WIRING BOARD		
e that:		
, or		
n or PCT international application number 13/948,642		
authorized to be made by me.		
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
ring places of business at: 1, Kandacho 2-chome, Ogaki-shi, Gifu 503-tire right, title and interest in and to said invention and in and to any in the United States and its territorial possessions and in any and all		
If the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby ble consideration, I, by these presents do sell, assign and transfer unto to the said invention in the United States and its territorial possessions had to claim priority under the terms of the International Convention and ungements from the aforesaid application) and the entire right, title and which may be granted therefor in the United States and its territorial antries and in and to any and all divisions, reissues, continuations,		
I 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 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 had this Assignment and sale not been made.		
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me 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.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
,		
Date: Aug. 2, 20/3		

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

PATENT REEL: 031050 FRAME: 0783

**RECORDED: 08/21/2013**