504019711 09/23/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4066368

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TERUYUKI ISHIHARA	08/30/2016
HAIYING MEI	08/30/2016
HIROYUKI BAN	08/30/2016

RECEIVING PARTY DATA

Name:	IBIDEN CO., LTD.
Street Address:	1, KANDACHO 2-CHOME
City:	OGAKI, GIFU
State/Country:	JAPAN
Postal Code:	503-8604

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15252286

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (703) 413-3000
Email: jhorn@oblon.com
Correspondent Name: OBLON, ET AL.
Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	TTORNEY DOCKET NUMBER: 474483US53	
NAME OF SUBMITTER:	JENNA HORN	
SIGNATURE:	/Jenna Horn/	
DATE SIGNED: 09/23/2016		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 3

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PATENT 504019711 REEL: 039845 FRAME: 0154

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

Inte of Invention	PRINTED WIRING BOARD AND METHOD FOR MANUFACTURING PRINTED WIRING BOARD	
As the below name	d inventor, I hereby declare that:	
This declaration 🗵	The attached application, or	
is directed to:	United States application or PCT international application number	
The above-identifie	d application was made or authorized to be made by me.	
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.	
Japan, is desirous	DEN CO., LTD. I to as "ASSIGNEE") having places of business at: <u>I, Kandacho 2-chome, Ogaki, Gifu 503-8604</u> of acquiring the entire right, title and interest in and to said invention and in and to any Letters granted therefore in the United States and its territorial possessions and in any and all foreign	
acknowledged, and said ASSIGNEE, the and in all foreign contact the contact other relevant Inter- interest in and to a	ORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto be full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.	
any and all foreign assignee of my enti (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and 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.		
	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.	
LEGAL NAME OF	INVENTOR	
Inventor: Teruyuk	ti ISHIHARA Date: 30, 8°, 2016	
Signature: Tek	miki Tebibaka	

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

PATENT REEL: 039845 FRAME: 0155

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

Title of Invention	PRINTED WIRING BOARD AND METHOD FOR MANUFACTURING PRINTED WIRING BOARD	
As the below name	d inventor, I hereby declare that:	
This declaration 🗵	The attached application, or	
is directed to:	United States application or PCT international application number filed on	
The above-identifie	ed application was made or authorized to be made by me.	
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.	
Japan, is desirous	DEN CO., LTD. d to as "ASSIGNEE") having places of business at: 1, Kandacho 2-chome, Ogaki, Gifu 503-8604 of acquiring the entire right, title and interest in and to said invention and in and to any Letters granted therefore in the United States and its territorial possessions and in any and all foreign	
acknowledged, and said ASSIGNEE, the and in all foreign conther relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, i, by these presents do sell, assign and transfer unto me full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and may and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.	
any and all foreign assignee of my enti- (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and 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.		
	rledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.	
LEGAL NAME OF	INVENTOR	
Inventor: Haiying	:MEI Date: 30, 8, 2016	
Signature: Ha	Ying Mei	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

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> PATENT REEL: 039845 FRAME: 0156

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

invention	PRINTED WIRING BOARD A PRINTED WIRING BOARD	ND METHOD FOR MANUFACTURING
As the below name	d inventor, I hereby declare that:	
This declaration 🗵	The attached application, or	
is directed to:	United States application or PCT int	
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Japan, is desirous	d to as "ASSIGNEE") having places o of acquiring the entire right, title and	of business at: 1. Kandacho 2-chome, Ogaki, Gifu 503-8604 I interest in and to said invention and in and to any Letters es and its territorial possessions and in any and all foreign
acknowledged, and said ASSIGNEE, the and in all foreign co- other relevant Inter- interest in and to a	I for other good and valuable consider the full and exclusive right to the said ountries (including the right to claim p mational Treaties and Arrangements for any and all Letters Patent which may a any and all foreign countries and	of FIVE DOLLARS (\$5.00), the receipt whereof is hereby ration, I, by these presents do sell, assign and transfer unto invention in the United States and its territorial possessions priority under the terms of the International Convention and from the aforesaid application) and the entire right, title and the granted therefor in the United States and its territorial in and to any and all divisions, reissues, continuations,
any and all foreign assignee of my enti (his) successors and	countries to issue any and all of sai	cials in the United States and its territorial possessions and id Letters Patent, when granted, to said ASSIGNEE as the e same, for the sole use and behoof of said ASSIGNEE, its for which said Letters Patent may be granted, as fully and assignment and sale not been made.
respecting said inv continuation, substi- all of said Letters possible to aid said	vention, and testify in any legal pritute, renewal and reissue applications. Patent to be issued to said ASSIGN I ASSIGNEE, its (bis) successors and	SIGNEE or its (his) representatives any facts known to me roceeding, sign all lawful papers, execute all divisional, s, execute all necessary assignment papers to cause any and IEE, make all rightful oaths, and, generally do everything d assigns, to obtain and enforce proper protection for said as and in any and all foreign countries.
	rledge that any willful false statement is ment of not more than five (5) years, o	made in this declaration is punishable under 18 U.S.C. 1001 or both.
LEGAL NAME OF	INVENTOR	
Inventor: Hiroyuk	d BAN	کا الاحد کی جائو یا Date:
Signature: 2	Lingrestri Ban	

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RECORDED: 09/23/2016