PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the omitted inventor previously recorded on Reel 029409 Frame 0979. Assignor(s) hereby confirms the assignment listed complete inventors are Kosuke Morita, Naohide Takamoto and Hiroyuki Senzai

CONVEYING PARTY DATA

Name	Execution Date	
Kosuke Morita	11/28/2012	
Naohide Takamoto	11/28/2012	
Hiroyuki Senzai	11/28/2012	

RECEIVING PARTY DATA

Name:	NITTO DENKO CORPORATION
Street Address:	1-1-2, Shimohozumi
City:	Ibaraki-shi, Osaka
State/Country:	JAPAN
Postal Code:	567-8680

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13686841

CORRESPONDENCE DATA

Fax Number: 5034142

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 5034594141 Email: martin@ahmrt.com

Correspondent Name: ALLEMAN HALL MCCOY RUSSELL & TUTTLE LLP

806 SW BROADWAY, Suite 600 Address Line 1: Address Line 4: Portland, OREGON 97215

ATTORNEY DOCKET NUMBER:	UNI12308
NAME OF SUBMITTER:	Kyoko Martin
	This document serves as an Oath/Declaration (37 CFR 1.63).
	PATENT

REEL: 029436 FRAME: 0086

502156050

Total Attachments: 5

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source=copy of Original Recordation of Assignment (as attached) 12-10-12#page2.tif



PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY I	DATA				
 					
Kosuke Morita		/} ::::::::::::::::::::::::::::::::::::	Vame	Execution Date 11/28/2012	***************************************
Naohide Takamoto				11/28/2012	
RECEIVING PARTY DATA (1/28/2012)					
Name:	NITTO DENK) CORI	PORATION		
Street Address:	1-1-2, Shimoh	ozumí			100000
City:	lbaraki-shi, Os	aka	,		
State/Country:	JAPAN				
Postal Code:	567-8680				
PROPERTY NUMBERS Total: 1					
Property	Гуре		Number		
Application Number: 136868		841			
CORRESPONDENCE DATA					
Fax Number:	5034594	142			
1			n the fax attempt is unsuccessful.		
Phone:	503-459				
Email:	martin@				
Address Line 1:	Correspondent Name: ALLEMAN HALL MCCOY RUSSELL & TUTTLE LLP Address Line 1: 806 SW BROADWAY				
Address Line 2:	SUITE 6		******		
Address Line 4:	PORTLA	AND, OF	REGON 97205-3335		
ATTORNEY DOCKET NUMBER:		UNI12308			
NAME OF SUBMITTER:		Kyoko Martin			
		This document serves as an Oath/Declaration (37 CFR 1.63).			
Total Attachments: 3 source=Assignment-1_Morita_UNI12308#page1.tif source=Assignment-2_Takamoto_UNI12308#page1.tif source=Assignment-3_Senzai_UNI12308#page1.tif					

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

UNDER-FILL MATERIAL AND METHOD FOR PRODUCING

Title of

Invention:	SEMICONDUCTOR DEVICE
As the below named	l inventor, I hereby declare that:
This declaration is directed to:	☐ The attached application, or ☑ United States application or PCT international application number
	filed on November 27, 2012
The above-identified	d application was made or authorized to be made by me.
I believe that I am th	ne original inventor or an original joint inventor of a claimed invention in the application.
	neys at Alleman Hall McCoy Russell & Tuttle LLP (Customer Number 50488) to insert the filing date, and attorney docket number of the above identified application when known.
Shimohozumi, Ibai NOW, THEREFOR, have sold, assigned, right to the above-ic entire right, title and territorial possession extensions thereof. I hereby authorize and all of said Letter same, for the sole us Further, I agree th invention, and testif renewal and reissue issued to ASSIGNEE,	DENKO CORPORATION, ("ASSIGNEE"), a Japanese corporation, having a place of business at 1-1-2, raki-shi, Osaka 567-8680, Japan is desirous of acquiring an interest therein; for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I and transferred, and by these presents do sell, assign, and transfer unto ASSIGNEE, the full and exclusive lentified invention in the United States and its territorial possessions and in all foreign countries, and the I interest in and to any and all Letters Patent which may be granted therefor in the United States and its as and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and and request the Patent Office officials in the United States and any and all foreign countries to issue any a Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and to the se of the ASSIGNEE, its successors and assigns. Let I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said by in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be make all rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, he proper protection for said invention in the United States and in any and all foreign countries.
	e that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or t more than five (5) years, or both.
LEGAL NAME OF INV	PENTOR
Inventor: Kosuke	Morita Date (Optional): November 28, 2012
Signature: Kost	whe Musts
	ATTY DOCKET NO.: UNI12308
	Alleman Hall McCov Russell & Tuttle LLP

Alleman Hall McCoy Russell & Tuttle LLP 806 SW Broadway, Ste. 600 Portland, OR 97205

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

Title of Invention:	UNDER-FILL MATERIAL AND METHOD FOR PRODUCING SEMICONDUCTOR DEVICE
As the below name	d inventor, I hereby declare that:
This declaration is directed to:	☐ The attached application, or ☐ United States application or PCT international application number 13/686,841
	filed on November 27, 2012
The above-identified	d application was made or authorized to be made by me.
I believe that I am th	ne original inventor or an original joint inventor of a claimed invention in the application.
	neys at Alleman Hall McCoy Russell & Tuttle LLP (Customer Number 50488) to insert the filing date, and attorney docket number of the above identified application when known.
Shimohozumi, Iba NOW, THEREFOR, have sold, assigned, right to the above-ic entire right, title and territorial possession extensions thereof. I hereby authorize and all of said Letter same, for the sole us Further, I agree th invention, and testif renewal and reissue issued to ASSIGNEE, to obtain and enforce I hereby acknowledg imprisonment of no	DENKO CORPORATION, ("ASSIGNEE"), a Japanese corporation, having a place of business at 1-1-2, raki-shi, Osaka 567-8680, Japan is desirous of acquiring an interest therein; for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I and transferred, and by these presents do sell, assign, and transfer unto ASSIGNEE, the full and exclusive lentified invention in the United States and its territorial possessions and in all foreign countries, and the finterest in and to any and all Letters Patent which may be granted therefor in the United States and its as and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and and request the Patent Office officials in the United States and any and all foreign countries to issue any selection, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and to the selection of the ASSIGNEE, its successors and assigns. In any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be make all rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, he proper protection for said invention in the United States and in any and all foreign countries. The that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or timore than five (5) years, or both.
LEGAL NAME OF INV	
Inventor: <u>Naohide</u> Signature: <u>/</u>	Takamoto Date (Optional): November 28, 2012
	ATTY DOCKET NO.: UNI12308

Alleman Hall McCoy Russell & Tuttle LLP 806 SW Broadway, Ste. 600 Portland, OR 97205

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

Title of	
Invention:	UNDER-FILL MATERIAL AND METHOD FOR PRODUCING SEMICONDUCTOR DEVICE
As the below named	Inventor, I hereby declare that:
This declaration is directed to:	☐ The attached application, or ☑ United States application or PCT international application number 13/686,841 filed on November 27, 2012
The above-identified	I application was made or authorized to be made by me.
	ne original inventor or an original joint inventor of a claimed invention in the application.
Lauthorize the attor	neys at Alleman Hall McCoy Russell & Tuttle LLP (Customer Number 50488) to insert the filing date, and attorney docket number of the above identified application when known.
Shimohozumi, Ibai NOW, THEREFOR, have sold, assigned, right to the above-id entire right, title and territorial possession extensions thereof. I hereby authorize and all of said Letter same, for the sole us Further, I agree th invention, and testif renewal and reissue issued to ASSIGNEE, to obtain and enforce I hereby acknowledgimprisonment of not	DENKO CORPORATION, ("ASSIGNEE"), a Japanese corporation, having a place of business at 1-1-2, raki-shi, Osaka 567-8680, Japan is desirous of acquiring an interest therein; for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I and transferred, and by these presents do sell, assign, and transfer unto ASSIGNEE, the full and exclusive lentified invention in the United States and its territorial possessions and in all foreign countries, and the I interest in and to any and all Letters Patent which may be granted therefor in the United States and its as and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and and request the Patent Office officials in the United States and any and all foreign countries to issue any separent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and to the set of the ASSIGNEE, its successors and assigns. The action of the ASSIGNEE, its successors and assigns, at I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said yin any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be make all rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, e proper protection for said invention in the United States and in any and all foreign countries. The that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or more than five (5) years, or both.
LEGAL NAME OF INV	ENTOR
19.9	Senzal Date (Optional): November 28, 2012
Signature: <u>Mr</u>	oyoki Senzai
	ATTY DOCKET NO V HNI12208

Alleman Hall McCoy Russell & Tuttle LLP 806 SW Broadway, Ste. 600 Portland, OR 97205

PATENT REEL: 029436 FRAME: 0091

RECORDED: 12/10/2012