## PATENT ASSIGNMENT

## Electronic Version v1.1

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SUBMISSION TYPE:		NEW ASSIGNMENT		
IATURE OF CONVEYANCE: ASSIGNMENT				
CONVEYING PARTY DA	ΑΤΑ			
		Name	Execution Date	
PAUL DOUGLAS VERN	NOOY		08/27/2012	
KAZUTAKA OZAWA			08/27/2012	
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RECEIVING PARTY DA	TA			
Name:	E. I. DU PONT DE NE	EMOURS AND COMPANY		
Street Address:	4417 LANCASTER P	IKE		
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Postal Code:	19809			
Property Ty		Number		
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Application Number: CORRESPONDENCE D Fax Number: Phone: Email:	3023553982 302-992-2973 CAROL.A.REE		e sent via US	
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Aug. 27. 2012 3:46PM

No. 4850 P. 1

# ASSIGNMENT

We, the undersigned

### PAUL DOUGLAS VERNOOY, CHIEKO KIKUCHI, KAZUTAKA OZAWA

Hereby declare that

We are the true and first inventors of an invention entitled

### CONDUCTIVE COMPOSITIONS CONTAINING LI2RUO3 AND ION-EXCHANGED LI2RUO3 AND THEIR USE IN THE MANUFACTURE OF SEMICONDUCTOR DEVICES

which is disclosed in the United States Patent Application No. 13/568260 filed on August 07, 2012 and which is identified as Case Number EL1020-US-NP.

For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

I. Sell, assign, and transfer unto E I DU PONT DE NEMOURS AND COMPANY, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the sole and entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever, (5) any and all patents for any such inventional Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument, and generally to do everything, possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

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	(L.S.)
KAZUTAKA OZAWA	
DATE:	

(L.S.)

> PATENT REEL: 028889 FRAME: 0730

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CHIEKO KIKUCHI

DATE: 27th August 20(2\_\_\_\_

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II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers or instruments necessary or required by said assignee, its successors. assigns and legal representatives, to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

	(L.S.)		(L.S.)
PAUL DOUGLAS VERNOOY	/	KAZUTAKA OZAWA	()
DATE:		DATE:	
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	(L.S.)
PAUL DOUGLAS VERNOOY	
DATE:	

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CHIEKO KIKUCHI DATE:\_\_\_\_\_

**RECORDED: 09/02/2012**