

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3236454

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KENNETH WARREN HANG	02/03/2015
KURT RICHARD MIKESKA	01/09/2015
RAJ G. RAJENDRAN	01/09/2015
CARMINE TORARDI	01/09/2015
PAUL DOUGLAS VERNOOY	01/09/2015
YUELI WANG	02/03/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	E. I. DU PONT DE NEMOURS AND COMPANY
<b>Street Address:</b>	1007 MARKET STREET
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19898
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14554247
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(302)355-4243
<i>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.</i>	
<b>Phone:</b>	302-999-4278
<b>Email:</b>	PTO-Legal.prc@dupont.com
<b>Correspondent Name:</b>	E. I. DU PONT DE NEMOURS AND COMPANY
<b>Address Line 1:</b>	974 CENTRE ROAD
<b>Address Line 2:</b>	CHESTNUT RUN PLAZA 721/2340
<b>Address Line 4:</b>	WILMINGTON, DELAWARE 19805
<b>ATTORNEY DOCKET NUMBER:</b>	CL5673-US-DIV
<b>NAME OF SUBMITTER:</b>	JACKIE O'NEIL
<b>SIGNATURE:</b>	/Jackie O'Neil/
<b>DATE SIGNED:</b>	02/23/2015

**Total Attachments: 4**

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## NON-PROVISIONAL APPLICATION ASSIGNMENT

We, the undersigned

KENNETH WARREN HANG, KURT RICHARD MIKESKA, RAJ G RAJENDRAN,  
CARMINE TORARDI, PAUL DOUGLAS VERNOOY, YUELI WANG

Hereby declare that

We are the inventors of an invention entitled


CONDUCTIVE PASTE COMPOSITION AND SEMICONDUCTOR DEVICES MADE THEREFROM

which is disclosed in the United States Patent Application No. 14/554247 filed on November 26, 2014 and which is identified as Case Number CL5673-US-DIV.

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 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; and (B) the sole right to (1) file such applications in its name or ours, (2) file such applications under the aforesaid International 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 inventions or the rights described above, to testify in any legal proceeding respecting said inventions or the rights described above, the location of that testimony to be in the country in which we reside or in the nearest country in which such testimony is legal should our country of residence prohibit such testimony, 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.

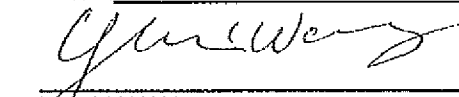
 (L.S.)  
KENNETH WARREN HANG  
DATE: Feb 3, 2015

\_\_\_\_ (L.S.)  
CARMINE TORARDI  
DATE: \_\_\_\_\_

\_\_\_\_ (L.S.)  
KURT RICHARD MIKESKA  
DATE: \_\_\_\_\_

\_\_\_\_ (L.S.)  
PAUL DOUGLAS VERNOOY  
DATE: \_\_\_\_\_

\_\_\_\_ (L.S.)  
RAJ G RAJENDRAN  
DATE: \_\_\_\_\_

 (L.S.)  
YUELI WANG  
DATE: Feb. 3, 2015

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\_\_\_\_\_(L.S.)  
KENNETH WARREN HANG  
DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
CARMINE TORARDI  
DATE: \_\_\_\_\_

*Kurt R. Mikeska* \_\_\_\_\_(L.S.)  
KURT RICHARD MIKESKA  
DATE: *1/29/15* \_\_\_\_\_

\_\_\_\_\_(L.S.)  
PAUL DOUGLAS VERNOOY  
DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
RAJ G RAJENDRAN  
DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
YUELI WANG  
DATE: \_\_\_\_\_

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\_\_\_\_\_(L.S.)  
KENNETH WARREN HANG  
DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
CARMINE TORARDI  
DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
KURT RICHARD MIKESKA  
DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
PAUL DOUGLAS VERNOOY  
DATE: 1/2/15

*Ray G. Rajendran*  
\_\_\_\_\_(L.S.)  
RAJ G RAJENDRAN  
DATE: 01/09/2015

\_\_\_\_\_(L.S.)  
YUELI WANG  
DATE: \_\_\_\_\_

**NON-PROVISIONAL APPLICATION ASSIGNMENT**

We, the undersigned

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\_\_\_\_\_(L.S.)  
KENNETH WARREN HANG  
DATE: \_\_\_\_\_

  
CARMINE TORARDI  
DATE: January 9, 2015

\_\_\_\_\_(L.S.)  
KURT RICHARD MIKESKA  
DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
PAUL DOUGLAS VERNOOY  
DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
RAJ G RAJENDRAN  
DATE: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
YUELI WANG  
DATE: \_\_\_\_\_