**PATENT ASSIGNMENT COVER SHEET**

**SUBMISSION TYPE:** NEW ASSIGNMENT

**NATURE OF CONVEYANCE:** ASSIGNMENT

### CONVEYING PARTY DATA

<table>
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<tr>
<th>Name</th>
<th>Execution Date</th>
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<tr>
<td>HEE HYUN LEE</td>
<td>11/06/2013</td>
</tr>
<tr>
<td>MICHAEL JOSEPH OTLEY</td>
<td>11/06/2013</td>
</tr>
<tr>
<td>MICHAEL STEPHEN WOLFE</td>
<td>11/06/2013</td>
</tr>
<tr>
<td>TRISTAN WILLIAMS</td>
<td>11/06/2013</td>
</tr>
</tbody>
</table>

### RECEIVING PARTY DATA

- **Name:** E. I. DU PONT DE NEMOURS AND COMPANY
- **Street Address:** 1007 MARKET STREET
- **City:** WILMINGTON
- **State/Country:** DELAWARE
- **Postal Code:** 19898

### PROPERTY NUMBERS Total: 1

<table>
<thead>
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<tr>
<td>Application Number</td>
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### CORRESPONDENCE DATA

- **Fax Number:** (302)355-3982
- **Phone:** 302-999-4143
- **Email:** CAROL.A.REEDER@DUPONT.COM
- **Correspondence will be sent via US Mail when the email attempt is unsuccessful.**
- **Correspondent Name:** SIMON XU
- **Address Line 1:** 974 CENTRE ROAD
- **Address Line 2:** CHESTNUT RUN PLAZA 721
- **Address Line 4:** WILMINGTON, DELAWARE 19805

### ATTORNEY DOCKET NUMBER:

- **IJ0307USPCT**

### NAME OF SUBMITTER:

- **CAROL REEDER**

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**PATENT**

**REEL:** 031717 **FRAME:** 0836
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<tr>
<th>Signature:</th>
<th>/CAROL REEDER/</th>
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NON-PROVISIONAL APPLICATION ASSIGNMENT

We, the undersigned

HEEL HYUN LEE, MICHAEL JOSEPH OTLEY, MICHAEL STEPHEN WOLFE,
TRISTAN WILLIAMS

Hereby declare that

We are the inventors of an invention entitled

METHOD OF PREPARING ENCAPSULATED PIGMENT DISPERSIONS WITH MINIMAL FREE POLYMER

which is disclosed in the United States Patent Application No. PCT/US11/65111 filed on December 15, 2011 and which is identified as Case Number IJ0307PCT.

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; 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.

[Signatures]

HEE HYUN LEE
DATE: 11/6/2012

MICHAEL STEPHEN WOLFE
DATE:

MICHAEL JOSEPH OTLEY
DATE:

TRISTAN WILLIAMS
DATE:
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HEE HYUN LEE
DATE: ____________________________

MICHAEL STEPHEN WOLFE
DATE: ____________________________

MICHAEL JOSEPH OTLEY
DATE: ____________________________

TRISTAN WILLIAMS
DATE: ____________________________
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HEE HYUN LEE
DATE: _____________________________

MICHAEL STEPHEN WOLFE
DATE: _____________________________

MICHAEL JOSEPH OTLEY
DATE: _____________________________

TRISTAN WILLIAMS
DATE: _____________________________

PATENT
REEL: 031717 FRAME: 0840
NON-PROVISIONAL APPLICATION ASSIGNMENT

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HEE HYUN LEE (L.S.)
DATE:

MICHAEL STEPHEN WOLFE (L.S.)
DATE:

MICHAEL JOSEPH OTLEY (L.S.)
DATE:

TRISTAN WILLIAMS (L.S.)
DATE: 11/06/2013

RECORDED: 12/04/2013

PATENT
REEL: 031717 FRAME: 0841