

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2973709

| <b>SUBMISSION TYPE:</b>   | CORRECTIVE ASSIGNMENT   |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
|---|---|---------------|----------------|-----------------------|------------|-------------|------------|-------------|------------|---------------------------|------------|--------------------|------------|-----------------------|------------|
| <b>NATURE OF CONVEYANCE:</b>  | Corrective Assignment to correct the ASSIGNEE NAME. RECORDED AT REEL/FRAME 030219/0858, AND ALSO REEL/FRAME 030219/0862. (*700503775*) previously recorded on Reel 030219 Frame 0862. Assignor(s) hereby confirms the ASSIGNEE NAME WAS AN ERROR.   |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>CONVEYING PARTY DATA</b>   |   |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
|   | <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>RICHARD DALTON PETERS</td> <td>03/28/2013</td> </tr> <tr> <td>TRAVIS ACRA</td> <td>03/28/2013</td> </tr> <tr> <td>YUANMEI CAO</td> <td>03/28/2013</td> </tr> <tr> <td>SPENCER ERICH HOCHSTETLER</td> <td>04/12/2013</td> </tr> <tr> <td>MICHAEL TOD PHENIS</td> <td>03/28/2013</td> </tr> <tr> <td>KIMBERLY DONA POLLARD</td> <td>03/28/2013</td> </tr> </tbody> </table> | Name          | Execution Date | RICHARD DALTON PETERS | 03/28/2013 | TRAVIS ACRA | 03/28/2013 | YUANMEI CAO | 03/28/2013 | SPENCER ERICH HOCHSTETLER | 04/12/2013 | MICHAEL TOD PHENIS | 03/28/2013 | KIMBERLY DONA POLLARD | 03/28/2013 |
| Name  | Execution Date  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| RICHARD DALTON PETERS   | 03/28/2013  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| TRAVIS ACRA   | 03/28/2013  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| YUANMEI CAO   | 03/28/2013  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| SPENCER ERICH HOCHSTETLER   | 04/12/2013  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| MICHAEL TOD PHENIS  | 03/28/2013  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| KIMBERLY DONA POLLARD   | 03/28/2013  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>RECEIVING PARTY DATA</b>   |   |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>Name:</b>  | DYNALOY, LLC  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>Street Address:</b>  | 200 SOUTH WILCOX DRIVE  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>City:</b>  | KINGSPORT   |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>State/Country:</b>   | TENNESSEE   |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>Postal Code:</b>   | 37662   |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>PROPERTY NUMBERS Total: 1</b>  |   |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
|   | <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13834513</td> </tr> </tbody> </table>   | Property Type | Number         | Application Number:   | 13834513   |             |            |             |            |                           |            |                    |            |                       |            |
| Property Type   | Number  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| Application Number:   | 13834513  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>CORRESPONDENCE DATA</b>  |   |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>Fax Number:</b>  | (423)229-1239   |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <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>   | 4232296189  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>Email:</b>   | rlwhite@eastman.com   |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>Correspondent Name:</b>  | DENNIS V. CARMEN  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>Address Line 1:</b>  | 200 SOUTH WILCOX DRIVE  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>Address Line 4:</b>  | KINGSPORT, TENNESSEE 37662  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>NAME OF SUBMITTER:</b>   | DENNIS V CARMEN   |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>SIGNATURE:</b>   | /Dennis V. Carmen/  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>DATE SIGNED:</b>   | 08/08/2014  |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |
| <b>Total Attachments: 32</b>  |   |               |                |                       |            |             |            |             |            |                           |            |                    |            |                       |            |

PATENT

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**CORRECTIVE DOCUMENT**

Fax: (571) 273-0140

Docket No: 85635 US02

Form PTO-1595

(Rev. 08/03)

OMB No. 0551-0027 (exp. 6/30/2008)

**RECORDATION FORM COVER SHEET**

**PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies):

**Peters, Richard Dalton  
Acra, Travis  
Cao, Yuanmei  
Hochstetler, Spencer Erich  
Phenis, Michael Tod  
Pollard, Kimberly Dona**

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

**Dynaloy, LLC  
200 South Wilcox Drive  
Kingsport, TN 37660  
U.S.A.**

3. Nature of conveyance:

- Assignment  Merger  
 Security Agreement  Change of Name  
Record to submit corrected assignment document to reflect correct assignee name. Previously recorded at Reel: 030219 and  
 Other Frame: 0862. (\*700503775\*)

Execution Date(s): March 28, 2013 / July 16, 2014

March 28, 2013 / July 14, 2014

April 12, 2013 / August 5, 2014

March 28, 2013 / July 14, 2014

March 28, 2013 / July 14, 2014

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

**13/834,513**

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

**Dennis V. Carmen  
Eastman Chemical Company  
P.O. Box 511  
Kingsport, TN 37662**

Phone: (423) 229-6189

Fax: (423) 229-1239

Reg. No: 35007

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account Number:

05-0221

(Attach duplicate copy of this page if paying by deposit account)

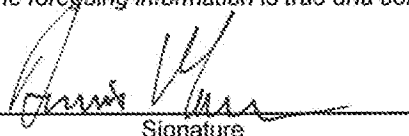
**DO NOT USE THIS SPACE**

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

**Dennis V. Carmen**

Name



Signature

8/6/14

Date

Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**PATENT  
REEL: 033500 FRAME: 0623**

Docket No: 85635 US02

Form PTO-1595

(Rev. 08/05)

OMB No. 0651-0027 (exp. 6/30/2008)

RECORDATION FORM COVER SHEET

PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

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1. Name of conveying party(ies):  
**Peters, Richard Dalton**  
**Acra, Travis**  
**Cao, Yuanmei**  
**Hochstetler, Spencer Erich**  
**Phenis, Michael Tod**  
**Pollard, Kimberly Dona**

2. Name and address of receiving party(ies)  
**Dynaloy, LLC**  
**200 South Wilcox Drive**  
**Kingsport, TN 37660**  
**U.S.A.**

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
 Execution Date(s): March 28, 2013  
March 28, 2013  
April 12, 2013  
March 28, 2013  
March 28, 2013

Additional name(s) & address(es) attached?  Yes  No

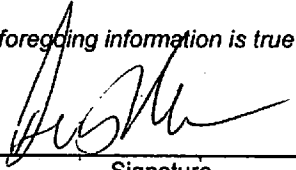
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 If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_  
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**13/834,513**

B. Patent No.(s)  
 \_\_\_\_\_  
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**Eastman Chemical Company**  
**P.O. Box 511**  
**Kingsport, TN 37662**  
 Phone: (423) 229-6189  
 Fax: (423) 229-1239  
 Reg. No: 35007

6. Total number of applications and patents involved:   
 7. Total fee (37 CFR 3.41).....\$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account  
 8. Deposit account Number:  
05-0221  
 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*  
**Dennis V. Carmen** \_\_\_\_\_  \_\_\_\_\_ 4/12/13  
 Name Signature Date

Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

For good and valuable consideration received, I/we, Richard Dalton Peters, Travis Acra, Yuanmei Cao, Spencer Erich Hochstetler, Michael Tod Phenis, and Kimberly Dona Pollard, do hereby sell and assign to <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~, a Delaware corporation having a place of business at Kingsport, Tennessee, its successors and assigns, the entire right, title, interest and priority rights in and to all of my/our inventions, discoveries and improvements disclosed in an application for Letters Patent for

Initial: RD  
Date: 07/11/2014

PROCESS AND COMPOSITION FOR RECOVERING SUBSTANCES FROM SUBSTRATES

executed by Richard Dalton Peters the 21 day of March 2013  
 executed by Travis Acra the 28 day of March 2013  
 executed by Yuanmei Cao the 28 day of March 2013  
 executed by Spencer Erich Hochstetler the 12 day of April 2013  
 executed by Michael Tod Phenis the 28 day of March 2013  
 executed by Kimberly Dona Pollard the 28 day of March 2013

and all right, title and interest in and to Letters Patent and similar protective rights granted on said applications in the United States and other countries, as well as the right to claim any applicable priority rights arising from said applications under the terms of any applicable conventions, treaties, statutes or regulations, said applications to be filed and issued in the name of <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its designee; and I/we agree to execute such

Initial: RD  
Date: 07/11/2014

documents as in the judgment of <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ may be necessary to obtain any such patents and similar protective rights and vest and maintain the title thereto in <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its designee; and I/we further agree that, upon request, but without expense to me/us, I/we shall furnish to <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its designee any data, information, exhibits, memoranda, or other evidence in our possession relating to any of said inventions, discoveries or improvements and to testify in any ex parte or inter partes legal proceedings relating to any of said inventions, discoveries, improvements, applications, patents or similar protective rights; and I/we authorize and request issuance of all Letters Patent and similar protective rights that may be granted on any of said applications, to the extent that and in such manner as such issuance shall be requested by <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its

Initial: R/P designee. This document shall be governed, construed, and interpreted in all respects in  
Date: 07/11/2013 accordance with the laws of the State of Tennessee, USA.

Signed this 28<sup>th</sup> day of March, 2013

Richard Dalton Peters  
Richard Dalton Peters

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN, 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      Nichelle Gilbert (Signature of Witness)

9944 Tudor Ct Fishers, IN 46037  
(Address of Witness)

Initial: RA Signed this 28 day of March, 2013  
Date: 3/28/2013

[Signature]  
Travis Acra

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo [Signature]  
(Type or Print Name of Witness) (Signature of Witness)  
4669 Grand Haven Lane, Apt. H, Indianapolis, IN, 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert [Signature]  
(Type or Print Name of Witness) (Signature of Witness)  
9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

Signed this 28 day of March, 2013

[Signature]  
Yuanmei Cao

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert [Signature]  
(Type or Print Name of Witness) (Signature of Witness)  
9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

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Meng Guo [Signature]  
(Type or Print Name of Witness) (Signature of Witness)  
4669 Grand Haven Lane, Apt. H, Indianapolis, IN, 46280  
(Address of Witness)

Initial: ADK Signed this 12 day of April, 2013

Date: 4/12/2013

  
Spencer Erich Hochstetler

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Elizabeth Stillner (Type or Print Name of Witness)      Elizabeth Stillner (Signature of Witness)

10312 Heatherwood Ln., Kingsport, TN 37663  
(Address of Witness)

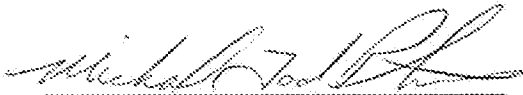
**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Rebecca White (Type or Print Name of Witness)      Rebecca White (Signature of Witness)

1133 Big Morcasin Rd., Nickelsville, VA 24101  
(Address of Witness)

Signed this 18 day of March, 2013

  
Michael Tod Phenix

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      Nichelle Gilbert (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      Meng Guo (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN 46280  
(Address of Witness)



Initial: KK Signed this 28 day of March, 2013

Date: 27/16 2013

Kimberly Dona Pollard  
Kimberly Dona Pollard

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      Meng Guo (Signature of Witness)

4669 Grand Haven Lane, Apt H, Indianapolis, IN, 46280  
(Address of Witness)

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(Address of Witness)

ASSIGNMENT

For good and valuable consideration received, I/we, Richard Dalton Peters, Travis Acra, Yuanmei Cao, Spencer Erich Hochstetler, Michael Tod Phenis, and Kimberly Dona Pollard, do hereby sell and assign to <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~, a Delaware corporation having a place of business at Kingsport, Tennessee, its successors and assigns, the entire right, title, interest and priority rights in and to all of my/our inventions, discoveries and improvements disclosed in an application for Letters Patent for

Initial: T.A.

Date: 3/28/13

PROCESS AND COMPOSITION FOR RECOVERING SUBSTANCES FROM SUBSTRATES

- executed by Richard Dalton Peters the 28 day of March 2013
- executed by Travis Acra the 28 day of March 2013
- executed by Yuanmei Cao the 28 day of March 2013
- executed by Spencer Erich Hochstetler the 12 day of April 2013
- executed by Michael Tod Phenis the 28 day of March 2013
- executed by Kimberly Dona Pollard the 28 day of March 2013

and all right, title and interest in and to Letters Patent and similar protective rights granted on said applications in the United States and other countries, as well as the right to claim any applicable priority rights arising from said applications under the terms of any applicable conventions, treaties, statutes or regulations, said applications to be filed and issued in the name of <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its designee; and I/we agree to execute such documents as in the judgment of <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ may be necessary to obtain any such patents and similar protective rights and vest and maintain the title thereto in <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its designee; and I/we further agree that, upon request, but without expense to me/us, I/we shall furnish to <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its designee any data, information, exhibits, memoranda, or other evidence in our possession relating to any of said inventions, discoveries or improvements and to testify in any ex parte or inter partes legal proceedings relating to any of said inventions, discoveries, improvements, applications, patents or similar protective rights; and I/we authorize and request issuance of all Letters Patent and similar protective rights that may be granted on any of said applications, to the extent that and in such manner as such issuance shall be requested by <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its

Initial: T.A.

Date: 3/28/13

Initial: T.A. designee. This document shall be governed, construed, and interpreted in all respects in accordance with the laws of the State of Tennessee, USA.  
Date: 2/19/13

Signed this 28<sup>th</sup> day of March, 2013

Richard Dalton Peters  
Richard Dalton Peters

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

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(Address of Witness)

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(Address of Witness)

Initial: T.A. Signed this 28 day of March, 2013

Date: 07/11/13

[Signature]  
Travis Acra

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(Address of Witness)

Signed this 28 day of March, 2013

[Signature]  
Yuanmei Cao

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(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN, 46280  
(Address of Witness)

Initial: TR Signed this 12 day of April, 2013

Date: 5/14/14

  
Spencer Erich Hochstetler

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Elizabeth Stittner  
(Type or Print Name of Witness)

Elizabeth Stittner  
(Signature of Witness)

12312 Heatherwood Ln., Kingsport, TN 37663  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Rebecca White  
(Type or Print Name of Witness)

Rebecca White  
(Signature of Witness)

1133 Bq Monocasin Rd., Nickelsville, VA 24071  
(Address of Witness)

Signed this 28 day of March, 2013

  
Michael Tod Phenix

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert  
(Type or Print Name of Witness)

Nichelle Gilbert  
(Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo  
(Type or Print Name of Witness)

Meng Guo  
(Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN. 46280  
(Address of Witness)

Initial: T.A. Signed this 28 day of March, 2013

Date: 3/28/13

Kimberly Dona Pollard  
Kimberly Dona Pollard

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN, 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      [Signature] (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

ASSIGNMENT

For good and valuable consideration received, I/we, Richard Dalton Peters, Travis Acra, Yuanmei Cao, Spencer Erich Hochstetler, Michael Tod Phenis, and Kimberly Dona Pollard, do hereby sell and assign to <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~, a Delaware corporation having a place of business at Kingsport, Tennessee, its successors and assigns, the entire right, title, interest and priority rights in and to all of my/our inventions, discoveries and improvements disclosed in an application for Letters Patent for

Initial: Y.C  
Date: 07/14/14

PROCESS AND COMPOSITION FOR RECOVERING SUBSTANCES FROM SUBSTRATES

- executed by Richard Dalton Peters the 28 day of March 2013
- executed by Travis Acra the 28 day of March 2013
- executed by Yuanmei Cao the 28 day of March 2013
- executed by Spencer Erich Hochstetler the 12 day of April 2013
- executed by Michael Tod Phenis the 28 day of March 2013
- executed by Kimberly Dona Pollard the 28 day of March 2013

and all right, title and interest in and to Letters Patent and similar protective rights granted on said applications in the United States and other countries, as well as the right to claim any applicable priority rights arising from said applications under the terms of any applicable conventions, treaties, statutes or regulations, said applications to be filed and issued in the name of <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its designee; and I/we agree to execute such documents as in the judgment of <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ may be necessary to obtain any such patents and similar protective rights and vest and maintain the title thereto in <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its designee; and I/we further agree that, upon request, but without expense to me/us, I/we shall furnish to <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its designee any data, information, exhibits, memoranda, or other evidence in our possession relating to any of said inventions, discoveries or improvements and to testify in any ex parte or inter partes legal proceedings relating to any of said inventions, discoveries, improvements, applications, patents or similar protective rights; and I/we authorize and request issuance of all Letters Patent and similar protective rights that may be granted on any of said applications, to the extent that and in such manner as such issuance shall be requested by <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its

Initial: Y.C  
Date: 07/14/14

Initial: YC designee. This document shall be governed, construed, and interpreted in all respects in Date: 07/14/14 accordance with the laws of the State of Tennessee, USA.

Signed this 28<sup>th</sup> day of March, 2013

Richard Dalton Peters  
Richard Dalton Peters

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN. 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      [Signature] (Signature of Witness)

9944 Tudor Ct Fishers, IN 46037  
(Address of Witness)



Initial: Y.C Signed this 28 day of March, 2013

Date: 07/14/14

[Signature]  
Travis Acra

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN, 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      [Signature] (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

Signed this 28 day of March, 2013

[Signature]  
Yuanmei Cao

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      [Signature] (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

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Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN, 46280  
(Address of Witness)

Initial: Y.C. Signed this 12 day of April, 2013  
Date: 07/14/14

  
Spencer Erich Hochstetler

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Elizabeth Stiltner (Type or Print Name of Witness)      Elizabeth Stiltner (Signature of Witness)

12312 Heatherwood Ln., Kingsport, TN 37663  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Rebecca White (Type or Print Name of Witness)      Rebecca White (Signature of Witness)

1133 Bg Monocasin Rd., Nickelsville, VA 24071  
(Address of Witness)

Signed this 28 day of March, 2013

  
Michael Tod Phenix

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      Nichelle Gilbert (Signature of Witness)

9844 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      Meng Guo (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN. 46280  
(Address of Witness)

Initial: YC Signed this 28 day of March, 2013

Date: 07/14/14

Kimberly Dona Pollard  
Kimberly Dona Pollard

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      [Signature] (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

ASSIGNMENT

For good and valuable consideration received, I/we, Richard Dalton Peters, Travis Acra, Yuanmei Cao, Spencer Erich Hochstetler, Michael Tod Phenis, and Kimberly Dona Pollard, do hereby sell and assign to <sup>Dynaloy, LLC</sup> ~~Eastman Chemical Company~~, a Delaware corporation having a place of business at Kingsport, Tennessee, its successors and assigns, the entire right, title, interest and priority rights in and to all of my/our inventions, discoveries and improvements disclosed in an application for Letters Patent for

Initial: SEH  
Date: 8/5/14

PROCESS AND COMPOSITION FOR RECOVERING SUBSTANCES FROM SUBSTRATES

- executed by Richard Dalton Peters the 28 day of March 2013
- executed by Travis Acra the 28 day of March 2013
- executed by Yuanmei Cao the 28 day of March 2013
- executed by Spencer Erich Hochstetler the 12 day of April 2013
- executed by Michael Tod Phenis the 28 day of March 2013
- executed by Kimberly Dona Pollard the 28 day of March 2013

and all right, title and interest in and to Letters Patent and similar protective rights granted on said applications in the United States and other countries, as well as the right to claim any applicable priority rights arising from said applications under the terms of any applicable conventions, treaties, statutes or regulations, said applications to be filed and issued in the name of <sup>Dynaloy, LLC</sup> ~~Eastman Chemical Company~~ or its designee; and I/we agree to execute such documents as in the judgment of <sup>Dynaloy, LLC</sup> ~~Eastman Chemical Company~~ may be necessary to obtain any such patents and similar protective rights and vest and maintain the title thereto in <sup>Dynaloy, LLC</sup> ~~Eastman Chemical Company~~ or its designee; and I/we further agree that, upon request, but without expense to me/us, I/we shall furnish to <sup>Dynaloy, LLC</sup> ~~Eastman Chemical Company~~ or its designee any data, information, exhibits, memoranda, or other evidence in our possession relating to any of said inventions, discoveries or improvements and to testify in any ex parte or inter partes legal proceedings relating to any of said inventions, discoveries, improvements, applications, patents or similar protective rights; and I/we authorize and request issuance of all Letters Patent and similar protective rights that may be granted on any of said applications, to the extent that and in such manner as such issuance shall be requested by <sup>Dynaloy, LLC</sup> ~~Eastman Chemical Company~~ or its

Initial: SEH  
Date: 8/5/14

Initial: SEH designee. This document shall be governed, construed, and interpreted in all respects in  
Date: 8/5/13 accordance with the laws of the State of Tennessee, USA.

Signed this 28<sup>th</sup> day of March, 2013

Richard Dalton Peters  
Richard Dalton Peters

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN. 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

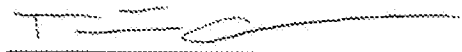
I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      Nichelle Gilbert (Signature of Witness)

9944 Tudor Ct Fishers, IN 46037  
(Address of Witness)

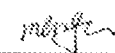
Initial: SCA Signed this 28 day of March, 2013

Date: 8/5/14

  
Travis Acra

**CERTIFICATE OF WITNESS**

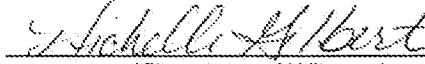
I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)       (Signature of Witness)

4669 Grand Haven Lane, Apt H, Indianapolis, IN, 46280  
(Address of Witness)

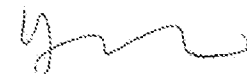
**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)       (Signature of Witness)


9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

Signed this 28 day of March, 2013

  
Yuanmei Cao

**CERTIFICATE OF WITNESS**

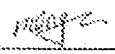
I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)       (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)       (Signature of Witness)

4669 Grand Haven Lane, Apt H, Indianapolis, IN, 46280  
(Address of Witness)

Initial: EA Signed this 12 day of April, 2013  
Date: 8/5/14

  
Spencer Erich Hochstetler

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Elizabeth Stillner (Type or Print Name of Witness)      Elizabeth Stillner (Signature of Witness)

16312 Heatherwood Ln., Kingsport, TN 37663  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Rebecca White (Type or Print Name of Witness)      Rebecca White (Signature of Witness)

1133 Big Moocasin Rd., Nickelsville, VA 24101  
(Address of Witness)

Signed this 28 day of March, 2013

  
Michael Tod Phenix

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      Nichelle Gilbert (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      Meng Guo (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN 46280  
(Address of Witness)

Initial: SEI Signed this 28 day of March, 2013

Date: 3/5/14

Kimberly Dona Pollard  
Kimberly Dona Pollard

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt H, Indianapolis, IN, 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      [Signature] (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)



ASSIGNMENT

For good and valuable consideration received, I/we, Richard Dalton Peters, Travis Acra, Yuanmei Cao, Spencer Erich Hochstetler, Michael Tod Phenis, and Kimberly Dona Pollard, do hereby sell and assign to <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~, a Delaware corporation having a place of business at Kingsport, Tennessee, its successors and assigns, the entire right, title, interest and priority rights in and to all of my/our inventions, discoveries and improvements disclosed in an application for Letters Patent for

Initial: [Signature]  
Date: 07/14/13

PROCESS AND COMPOSITION FOR RECOVERING SUBSTANCES FROM SUBSTRATES

- executed by Richard Dalton Peters the 28 day of March 2013
- executed by Travis Acra the 28 day of March 2013
- executed by Yuanmei Cao the 28 day of March 2013
- executed by Spencer Erich Hochstetler the 12 day of April 2013
- executed by Michael Tod Phenis the 28 day of March 2013
- executed by Kimberly Dona Pollard the 28 day of March 2013

and all right, title and interest in and to Letters Patent and similar protective rights granted on said applications in the United States and other countries, as well as the right to claim any applicable priority rights arising from said applications under the terms of any applicable conventions, treaties, statutes or regulations, said applications to be filed and issued in the name of <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its designee; and I/we agree to execute such documents as in the judgment of <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ may be necessary to obtain any such patents and similar protective rights and vest and maintain the title thereto in <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its designee; and I/we further agree that, upon request, but without expense to me/us, I/we shall furnish to <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its designee any data, information, exhibits, memoranda, or other evidence in our possession relating to any of said inventions, discoveries or improvements and to testify in any ex parte or inter partes legal proceedings relating to any of said inventions, discoveries, improvements, applications, patents or similar protective rights; and I/we authorize and request issuance of all Letters Patent and similar protective rights that may be granted on any of said applications, to the extent that and in such manner as such issuance shall be requested by <sup>Dynaloy, LLC</sup>~~Eastman Chemical Company~~ or its

Initial: [Signature]  
Date: 07/14/13

Initial: rd designee. This document shall be governed, construed, and interpreted in all respects in  
Date: 3/28/13 accordance with the laws of the State of Tennessee, USA.

Signed this 28<sup>th</sup> day of March, 2013

Richard Dalton Peters  
Richard Dalton Peters

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN. 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      [Signature] (Signature of Witness)

9944 Tudor Ct Fishers, IN 46037  
(Address of Witness)

Initial: ml Signed this 28 day of March, 2013

Date: 03/28/13

[Signature]  
Travis Acra

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN, 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      [Signature] (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

Signed this 28 day of March, 2013

[Signature]  
Yuanmei Cao

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      [Signature] (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN, 46280  
(Address of Witness)

Initial: SH Signed this 12 day of April, 2013  
Date: 07/04/13

  
Spencer Erich Hochstetler

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Elizabeth Stittner (Type or Print Name of Witness)      Elizabeth Stittner (Signature of Witness)

10312 Heatherwood Ln, Kingsport, TN 37663  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Rebecca White (Type or Print Name of Witness)      Rebecca White (Signature of Witness)

1133 Big Morassini Rd., Nickelsville, VA 24071  
(Address of Witness)

Signed this 28 day of March, 2013

  
Michael Tod Phenix

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      Nichelle Gilbert (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      Meng Guo (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN, 46280  
(Address of Witness)

Initial: KL Signed this 28 day of March, 2013

Date: 07/14/14

Kimberly Dona Pollard  
Kimberly Dona Pollard

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Gue (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN, 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      [Signature] (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

ASSIGNMENT

For good and valuable consideration received, I/we, Richard Dalton Peters, Travis Acra, Yuanmei Cao, Spencer Erich Hochstetler, Michael Tod Phenis, and Kimberly Dona Pollard, do hereby sell and assign to <sup>Dynaloy, LLC</sup> ~~Eastman Chemical Company~~, a Delaware corporation having a place of business at Kingsport, Tennessee, its successors and assigns, the entire right, title, interest and priority rights in and to all of my/our inventions, discoveries and improvements disclosed in an application for Letters Patent for

Initial: KAP

Date: 03/11/14

PROCESS AND COMPOSITION FOR RECOVERING SUBSTANCES FROM SUBSTRATES

- executed by Richard Dalton Peters the 28 day of March 2013
- executed by Travis Acra the 28 day of March 2013
- executed by Yuanmei Cao the 28 day of March 2013
- executed by Spencer Erich Hochstetler the 12 day of April 2013
- executed by Michael Tod Phenis the 28 day of March 2013
- executed by Kimberly Dona Pollard the 28 day of March 2013

and all right, title and interest in and to Letters Patent and similar protective rights granted on said applications in the United States and other countries, as well as the right to claim any applicable priority rights arising from said applications under the terms of any applicable conventions, treaties, statutes or regulations, said applications to be filed and issued in the name of <sup>Dynaloy, LLC</sup> ~~Eastman Chemical Company~~ or its designee; and I/we agree to execute such

Initial: KAP

Date: 03/11/14

documents as in the judgment of <sup>Dynaloy, LLC</sup> ~~Eastman Chemical Company~~ may be necessary to obtain any such patents and similar protective rights and vest and maintain the title thereto in <sup>Dynaloy, LLC</sup> ~~Eastman Chemical Company~~ or its designee; and I/we further agree that, upon request, but without expense to me/us, I/we shall furnish to <sup>Dynaloy, LLC</sup> ~~Eastman Chemical Company~~ or its designee any data, information, exhibits, memoranda, or other evidence in our possession relating to any of said inventions, discoveries or improvements and to testify in any ex parte or inter partes legal proceedings relating to any of said inventions, discoveries, improvements, applications, patents or similar protective rights; and I/we authorize and request issuance of all Letters Patent and similar protective rights that may be granted on any of said applications, to the extent that and in such manner as such issuance shall be requested by <sup>Dynaloy, LLC</sup> ~~Eastman Chemical Company~~ or its

initial: ~~RAF~~ designee. This document shall be governed, construed, and interpreted in all respects in  
Date: ~~01/14/14~~ accordance with the laws of the State of Tennessee, USA.

Signed this 28<sup>th</sup> day of March, 2013

*Richard Dalton Peters*  
Richard Dalton Peters

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      *Meng Guo* (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN, 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

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Nichelle Gilbert (Type or Print Name of Witness)      *Nichelle Gilbert* (Signature of Witness)

9944 Tudor Ct Fishers, IN 46037  
(Address of Witness)

Initial: YAC Signed this 28 day of March, 2013

Date: 3/28/13

[Signature]  
Travis Acra

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Mt. H., Indianapolis, IN, 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      [Signature] (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

Signed this 28 day of March, 2013

[Signature]  
Yuanmei Cao

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      [Signature] (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Mt. H., Indianapolis, IN, 46280  
(Address of Witness)



Initial: KLP Signed this 12 day of April, 2013

Date: 07/04/14

  
Spencer Erich Hochstetler

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Elizabeth Shiltner (Type or Print Name of Witness)      Elizabeth Shiltner (Signature of Witness)

12312 Heatherwood Ln., Kingsport, TN 37643  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Rebecca White (Type or Print Name of Witness)      Rebecca White (Signature of Witness)

1133 Bq Moocasin Rd., Nickelsville, VA 24101  
(Address of Witness)

Signed this 18 day of March, 2013

  
Michael Tod Phenis

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Nichelle Gilbert (Type or Print Name of Witness)      Nichelle Gilbert (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      Meng Guo (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN 46280  
(Address of Witness)

Initial: KDP Signed this 28 day of March, 2013

Date: 03/14/14

Kimberly Dona Pollard  
Kimberly Dona Pollard

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Meng Guo (Type or Print Name of Witness)      [Signature] (Signature of Witness)

4669 Grand Haven Lane, Apt. H, Indianapolis, IN, 46280  
(Address of Witness)

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Michelle Gilbert (Type or Print Name of Witness)      [Signature] (Signature of Witness)

9944 Tudor Ct. Fishers, IN 46037  
(Address of Witness)