

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:  | NEW ASSIGNMENT                           |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
|---|--|---------------|------------------------------------|---------------------|-----------------------|-------------|------------|-----------------|------------|---------------|------------|------------------|------------|------------|------------|--------------------|------------|
| NATURE OF CONVEYANCE:   | ASSIGNMENT                               |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| CONVEYING PARTY DATA  |  |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>David Lee</td> <td>05/18/2012</td> </tr> <tr> <td>Adam Orosco</td> <td>05/30/2012</td> </tr> <tr> <td>Claudio Ribeiro</td> <td>05/18/2012</td> </tr> <tr> <td>R. Jay Warner</td> <td>06/25/2012</td> </tr> <tr> <td>Robert Alan Deck</td> <td>05/18/2012</td> </tr> <tr> <td>Emily Duff</td> <td>05/17/2012</td> </tr> <tr> <td>Victor J. Johnston</td> <td>06/15/2012</td> </tr> </tbody> </table> |  | Name          | Execution Date                     | David Lee           | 05/18/2012            | Adam Orosco | 05/30/2012 | Claudio Ribeiro | 05/18/2012 | R. Jay Warner | 06/25/2012 | Robert Alan Deck | 05/18/2012 | Emily Duff | 05/17/2012 | Victor J. Johnston | 06/15/2012 |
| Name  | Execution Date                           |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| David Lee   | 05/18/2012                               |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Adam Orosco   | 05/30/2012                               |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Claudio Ribeiro   | 05/18/2012                               |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| R. Jay Warner   | 06/25/2012                               |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Robert Alan Deck  | 05/18/2012                               |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Emily Duff  | 05/17/2012                               |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Victor J. Johnston  | 06/15/2012                               |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| RECEIVING PARTY DATA  |  |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| <table border="1"> <tr> <td>Name:</td> <td>Celanese International Corporation</td> </tr> <tr> <td>Street Address:</td> <td>1601 West LBJ Freeway</td> </tr> <tr> <td>City:</td> <td>Dallas</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>75234</td> </tr> </table>  |  | Name:         | Celanese International Corporation | Street Address:     | 1601 West LBJ Freeway | City:       | Dallas     | State/Country:  | TEXAS      | Postal Code:  | 75234      |                  |            |            |            |                    |            |
| Name:   | Celanese International Corporation       |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Street Address:   | 1601 West LBJ Freeway                    |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| City:   | Dallas                                   |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| State/Country:  | TEXAS                                    |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Postal Code:  | 75234                                    |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| PROPERTY NUMBERS Total: 1   |  |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13456594</td> </tr> </tbody> </table>   |  | Property Type | Number                             | Application Number: | 13456594              |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Property Type   | Number                                   |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Application Number:   | 13456594                                 |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| CORRESPONDENCE DATA   |  |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Fax Number:   | (703)848-2981                            |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Phone:  | 703-584-3270                             |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Email:  | khargett@rmsclaw.com                     |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.  |  |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Correspondent Name:   | ROBERTS MLOTKOWSKI SAFRAN & COLE, P.C. I |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Address Line 1:   | P.O. Box 10064                           |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| Address Line 4:   | MCLEAN, VIRGINIA 22102-8064              |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |
| ATTORNEY DOCKET NUMBER:   | 342234-33501                             |               |                                    |                     |                       |             |            |                 |            |               |            |                  |            |            |            |                    |            |

CH \$40.00 13456594

NAME OF SUBMITTER:

Kim Hargett

Total Attachments: 3

source=00006615#page1.tif

source=00006615#page2.tif

source=00006615#page3.tif

## ASSIGNMENT

WHEREAS, DAVID LEE residing at 3418 PALM BAY CIRCLE, SEABROOK, TX 77586; ADAM OROSCO residing at 2107 VILLAGE DALE AVENUE, HOUSTON, TX 77059; CLAUDIO RIBEIRO residing at 4404A KOEHLER STREET, HOUSTON, TX 77007; R. JAY WARNER residing at 3507 EAST PINE BROOK WAY, HOUSTON, TX 77062; ROBERT ALAN DECK residing at 1502 LAKE HOLBROOK LANE, RICHMOND, TX 77406; EMILY DUFF residing at 1319 BAYPORT LANE, LEAGUE CITY, TX 77573; and VICTOR J. JOHNSTON residing at 3234 PLEASANT COVE COURT, HOUSTON, TX 77059 (hereinafter referred to as ASSIGNORS), has been assigned the entire right, title and interest in and to the same in the United States and throughout the world certain new and useful improvements in **PROCESS TO RECOVER ALCOHOL WITH SECONDARY REACTORS FOR ESTERIFICATION OF ACID** (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed on April 26, 2012, as Serial No. 13/456,594.

WHEREAS, CELANESE INTERNATIONAL CORPORATION, a corporation duly organized under and pursuant to the laws of Delaware and whose post office address is 1601 WEST LBJ FREEWAY, DALLAS TX 75234, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNORS, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any non-provisional, division, continuation, and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNORS hereby agree to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNORS also agree, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNORS in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

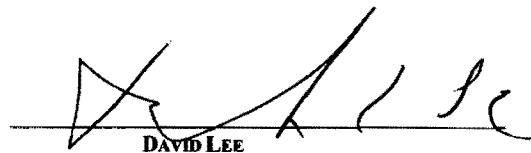
ASSIGNORS also agree, without further consideration and at ASSIGNEE'S expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE'S request documents and information concerning the enforcement of the right to sue within ASSIGNORS possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

ASSIGNORS' obligation under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ASSIGNORS hereby grant the firm of Roberts Mlotkowski Safran & Cole, P.C of McLean, Virginia, the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

ASSIGNORS hereby authorize and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf; and for the use and behalf of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made.

Date 5-18-2012 Signature of Assignor

  
DAVID LEE

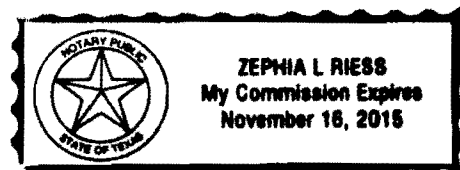
STATE OF TEXAS )  
COUNTY OF Harris ) SS

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto.

Subscribed and Sworn to before me, in my presence,

This 18th day of May, 2012

Notary Public Zephia L. Riess  
My commission expires November 16, 2015



Date 05/31/12

Signature of Assignor

Adam Orosco  
ADAM OROSCO

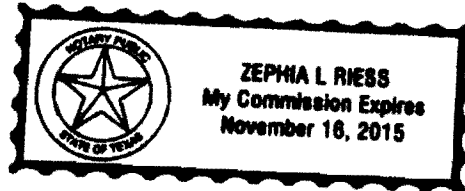
STATE OF TEXAS )  
COUNTY OF Harris ) SS

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto.

Subscribed and Sworn to before me, in my presence,

This 30<sup>th</sup> day of May, 2012

Notary Public Zephia L Riess  
My commission expires November 16, 2015



Date 5/18/12

Signature of Assignor

Claudio Ribeiro  
CLAUDIO RIBEIRO

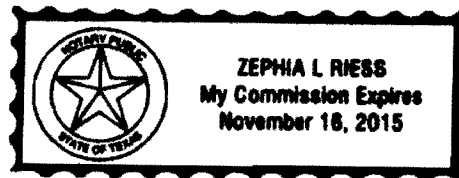
STATE OF TEXAS )  
COUNTY OF Harris ) SS

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto.

Subscribed and Sworn to before me, in my presence,

This 18<sup>th</sup> day of May, 2012

Notary Public Zephia L Riess  
My commission expires November 16, 2015



Date 06-25-12

Signature of Assignor

R. Jay Warner  
R. JAY WARNER

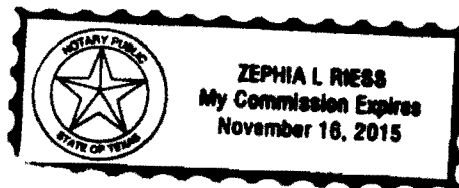
STATE OF TEXAS )  
COUNTY OF Harris ) SS

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto.

Subscribed and Sworn to before me, in my presence,

This 25<sup>th</sup> day of June, 2012

Notary Public Zephia L Riess  
My commission expires November 16, 2015



Date 5-18-2012

Signature of Assignor



ROBERT ALAN DECK

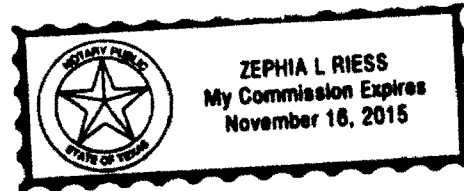
STATE OF TEXAS )  
COUNTY OF Harris ) SS

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto.

Subscribed and Sworn to before me, in my presence,

This 18<sup>th</sup> day of May, 2012

Notary Public Zephia L Riess  
My commission expires November 16, 2015



Date 5/17/12

Signature of Assignor



EMILY DUFF

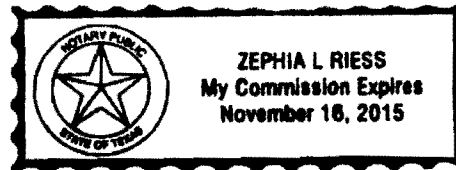
STATE OF TEXAS )  
COUNTY OF Harris ) SS

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto.

Subscribed and Sworn to before me, in my presence,

This 17<sup>th</sup> day of May, 2012

Notary Public Zephia L Riess  
My commission expires November 16, 2012



Date 6/15/2012

Signature of Assignor



VICTOR J. JOHNSTON

STATE OF TEXAS )  
COUNTY OF Harris ) SS

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto.

Subscribed and Sworn to before me, in my presence,

This 15<sup>th</sup> day of June, 2012

Notary Public Zephia L Riess  
My commission expires November 16, 2015

