

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mark O. Scates</td> <td>08/21/2012</td> </tr> <tr> <td>Ronald D. Shaver</td> <td>09/06/2012</td> </tr> <tr> <td>Gregory Blanchard</td> <td>09/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mark O. Scates	08/21/2012	Ronald D. Shaver	09/06/2012	Gregory Blanchard	09/19/2012
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Mark O. Scates	08/21/2012								
Ronald D. Shaver	09/06/2012								
Gregory Blanchard	09/19/2012								
<b>RECEIVING PARTY DATA</b>									
Name:	Celanese International Corporation								
Street Address:	222 W. Las Colinas Blvd.								
Internal Address:	Suite 900N								
City:	Irving								
State/Country:	TEXAS								
Postal Code:	75039								
<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>13588596</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13588596				
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<b>CORRESPONDENCE DATA</b>									
Fax Number:	7038482981								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	342234-06401								
NAME OF SUBMITTER:	Justin L. Krieger								
Total Attachments: 2 source=00009725#page1.tif source=00009725#page2.tif									

CH \$40.00 13588596

ASSIGNMENT

WHEREAS, MARK O. SCATES residing at 18117 SANDY COVE, HOUSTON, TX 77058; RONALD DAVID SHAVER residing at 906 BRIDGE HOLLOW COURT, HOUSTON, TX 77062; and GREGORY BLANCHARD residing at 3902 CLIFF SPERIA COURT, MANVEL, TX 77578 (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 IMPROVING CATALYST STABILITY IN CARBONYLATION PROCESSES (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed on August 17, 2012, as Serial No. 13/588,596.

WHEREAS, CELANESE INTERNATIONAL CORPORATION, a corporation duly organized under and pursuant to the laws of Delaware and whose post office address is 222 W. LAS COLINAS BLVD., SUITE 900N, IRVING, TEXAS 75039, (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.

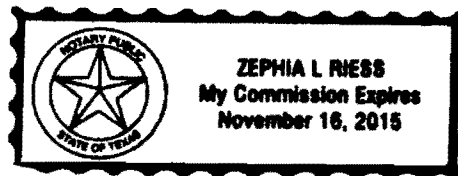
Date 8/21/12 Signature of Assignor Mark O Scates  
MARK O. SCATES

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 21<sup>st</sup> day of August, 2012  
Notary Public Zephia A Riess  
My commission expires November 16, 2015



Date 9/6/2012

Signature of Assignor

Ronald D. Shaver

RONALD D. SHAVER

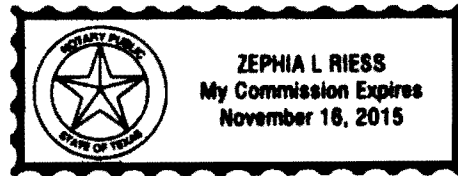
STATE OF TEXAS )  
                          ) SS  
COUNTY OF Harris )

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 6<sup>th</sup> day of September, 2012

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



Date 9-19-12

Signature of Assignor

Gregory Blanchard  
GREGORY BLANCHARD

STATE OF TEXAS )  
                          ) SS  
COUNTY OF Harris )

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 19<sup>th</sup> day of September, 2012

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

