

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>Zhenhua Zhou</td> <td>03/19/2012</td> </tr> <tr> <td>Victor J. Johnston</td> <td>03/19/2012</td> </tr> <tr> <td>Heiko Weiner</td> <td>03/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	Zhenhua Zhou	03/19/2012	Victor J. Johnston	03/19/2012	Heiko Weiner	03/12/2012
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Zhenhua Zhou	03/19/2012								
Victor J. Johnston	03/19/2012								
Heiko Weiner	03/12/2012								
RECEIVING PARTY DATA									
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>13419607</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13419607				
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Application Number:	13419607								
CORRESPONDENCE DATA									
Fax Number:	(703)848-2981								
Phone:	703								
Email:	hdecuzzi@rmsclaw.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Roberts Mlotkowski Safran & Cole								
Address Line 1:	P.O. Box 10064								
Address Line 4:	McLean, VIRGINIA 22102-8064								
ATTORNEY DOCKET NUMBER:	342234-21401								
NAME OF SUBMITTER:	Nicoletta Kennedy								
Total Attachments: 2 source=00005412#page1.tif source=00005412#page2.tif									

CH \$40.00 13419607

ASSIGNMENT

WHEREAS, ZHENHUA ZHOU residing at 4307 NORTH PINE BROOK WAY, HOUSTON, TX 77059; VICTOR J. JOHNSTON residing at 3234 PLEASANT COVE COURT, HOUSTON, TX 77059 and HEIKO WEINER residing at 4827 BAYWOOD DRIVE, PASADENA, TX 77505 (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 RHODIUM/ TIN CATALYSTS AND PROCESSES FOR PRODUCING ETHANOL (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed on March 14, 2012, as Serial No. 13/419,607.

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.

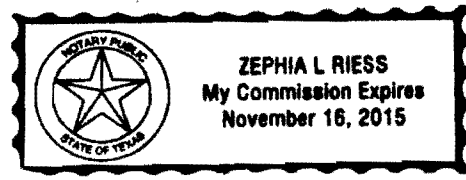
ASSIGNORS hereby authorize and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf; and for the use and behalf of ASSIGNEE'S legal 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 3/19/2012 Signature of Assignor Zhenhua Zhou
ZHENHUA ZHOU

STATE OF TEXAS)
) SS
COUNTY OF Harris)

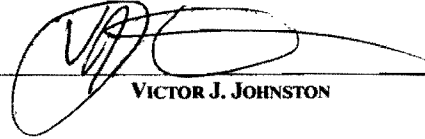
Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto.

Subscribed and Sworn to before me, in my presence,
This 19th day of March, 2012
Notary Public Zephia A Riess
My commission expires November 16, 2015



Date 3/19/2012

Signature of Assignor


VICTOR J. JOHNSTON

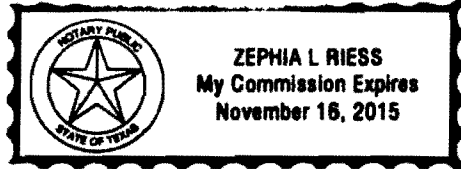
STATE OF TEXAS)
) SS
COUNTY OF Harris)

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Subscribed and Sworn to before me, in my presence,

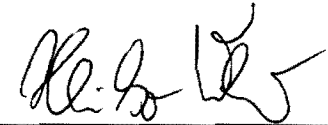
This 19th day of March, 2012

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



Date 03/12/2012

Signature of Assignor


HEIKO WEINER

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 12th day of March, 2012

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

