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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Adam Orosco	10/17/2011
Manuel Salado	10/19/2011
Lincoln Sarager	10/17/2011
R. Jay Wamer	10/17/2011
Trinity Horton	10/24/2011

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

Property Type	Number
Application Number:	13197723

CORRESPONDENCE DATA

Fax Number: (703)848-2981 Phone: 703-584-3270

Email: klamberth@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: 342234-18301

NAME OF SUBMITTER: Katherine Lamberth

Total Attachments: 3

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> PATENT REEL: 027182 FRAME: 0357

13197723

CH & AD DO

ASSIGNMENT

WHEREAS, ADAM OROSCO, residing at 2107 VILLAGE DALE AVENUE, HOUSTON, TX 77059; MANUEL SALADO residing at 3260 SCENIC SHORE DRIVE, SEABROOK, TX 77586; LINCOLN SARAGER residing at 16110 LA CABANA DRIVE, HOUSTON, TX 77062; R. JAY WARNER residing at 3507 EAST PINE BROOK WAY, HOUSTON, TX 77062; and TRINITY HORTON residing at 322 REMINGTON GREEN COURT, HOUSTON, TX 77073 (hereinafter referred to as ASSIGNORS), have invented certain new and useful improvements in PROCESSES FOR INCREASING ALCOHOL PRODUCTION (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed on August 3, 2011, as Serial No. 13/197,723.

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 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 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 10/17/11

Signature of Assignor

ADAM OROSĆO

STATE OF TEXAS

COUNTY OF LOTTICE) 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 1

Notary Public F

THE STREET

SHERRY POSTON My Commission Expires June 17, 2015 Serial No.: 13/197,723 Attorney Docket No. 342234-18301 Signature of Assignor MANUEL SALADO STATE OF TEXAS COUNTY OF LATTIS 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,

SHERRY POSTON **Notary Public** My Commission Expires My commission expires June 17, 2015 Signature of Assignor LINGOLN SARAGER

STATE OF TEXAS COUNTY OF HAVE S

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,

My commission expires

SHERRY POSTON My Commission Expires June 17, 2015

Signature of Assignor

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,

Notary Public My commission expires



Serial No.: 13/197,723

Attorney Docket No. 342234-18301

Date 10|24|11

Signature of Assignor

Trinity Horton

STATE OF TEXAS

COUNTY OF WILE) 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 _____

Notary Public My commission expires

SHERRY POSTON My Commission Expires June 17, 2015