PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3405200

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN M. TORKELSON	10/13/2012
JEANETTE M. DIOP	10/13/2012

RECEIVING PARTY DATA

Name:	NORTHWESTERN UNIVERSITY	
Street Address:	633 CLARK STREET	
City:	EVANSTON	
State/Country:	ILLINOIS	
Postal Code:	60208	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14428600

CORRESPONDENCE DATA

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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.

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RODNEY DEKRUIF Correspondent Name:

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ATTORNEY DOCKET NUMBER:	12183-PCT-US	
NAME OF SUBMITTER:	TRAVIS MCDONNELL	
SIGNATURE:	/Travis McDonnell/	
DATE SIGNED:	06/19/2015	

Total Attachments: 3

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PATENT REEL: 035869 FRAME: 0531 503358578

ASSIGNMENT

WHEREAS, WE, JOHN M. TORKELSON and JEANETTE M. DIOP (hereinafter collectively referred to as "ASSIGNORS") have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Patent Application: CARBONYL FUNCTIONALIZATION OF POLYPROPYLENE

VIA SOLID-STATE SHEAR PULVERIZATION

Application Filing Date: September 21, 2012 Ser

Serial No.: 61/704,177

WHEREAS, Northwestern University, an Illinois not-for-profit corporation, having a place of business at 633 Clark Street, Evanston, Illinois 60208, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, or prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full extent and term of any Letters Patent.

ASSIGNORS further agree that ASSIGNORS will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed ASSIGNORS' names to this Assignment on the date indicated below.

John M. Inhelan	19/3/2
JOHN M. TORKELSON	DATE
State of Illinois	
County of Cook	SS. -
On this 13 th	day of October, 2012, before me, a Notary Public in and for the County and
instrument, and acknowledge	ne personally known to be the same person whose name is subscribed to the foregoing d that he or she executed said instrument as his or her free and voluntary act and for the uses
and purposes therein expresse	(Jeddle 7 - 2
OFFICIAL SEAL NOTAL STEEL KURAS NOTARY PLEIT STATE OF ILLING MY COMMISSION EXPIRES 3-28-2	My Commission Expires: 5 1017

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Attorney Docket No. 12183-PROV NU Reference No. 2012-031-01

Assignment for Execution

Title of Patent Application: CARBONYL FUNCTIONALIZATION OF POLYPROPYLENE

VIA SOLID-STATE SHEAR PULVERIZATION

Application Filing Date: September 21, 2012

Serial No.: 61/704,177

JEANETTE M. DIOP DATE

State of Minas

County of Cook

OFFICIAL SEAL

NOTARY SEAL KURASZ

NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 3-28-2014

NOTARY PUBLIC

My Commission Expires: 3.28.2014

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WITNESS OPTION:

Here are the guidelines for the witness option:

- 1. Two people should witness your signature
- 2. The witnesses cannot be family members
- 3. The witnesses should sign their name
- 4. Print their names clearly
- 5. Print their entire home addresses with country
- 6. Date the same date that you are signing

INVENTOR PRINTED NAME:	(Signature)
INVENTOR PRINTED NAME:	
DATE OF EXECUTION:	Maria de la Caración
FIRST WITNESS:	
	(Signature)
Printed Name:	,
Witness Date:	
Home Address:	
	
SECOND WITNESS:	
	(Ci amatawa)
Printed Name:	(Signature)
Witness Date:	
Home Address:	

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