

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	KIRK W. LIMBACH	01/28/2016
	DMITRI A. KRAPCHETOV	01/29/2016
	MARK A. SILVANO	01/29/2016
RECEIVING PARTY DATA		
Name:	ROHM AND HAAS COMPANY	
Street Address:	400 ARCOLA ROAD	
City:	COLLEGEVILLE	
State/Country:	PENNSYLVANIA	
Postal Code:	19426	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15521762	
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	DOW-38703-A-US	
NAME OF SUBMITTER:	JERE L. POLMATIER	
SIGNATURE:	/jlp/	
DATE SIGNED:	03/28/2018	
Total Attachments: 1		
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This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and 1112nd.

This Amendment 110 is in the ENGL/ISL language and has the same meaning in other languages with the same 110 number and R/N etc.

FORM 110 (R 5/97)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: PROCESS FOR IN SITU WATER REMOVAL FROM AN OXIDATIVE ESTERIFICATION REACTION USING A COUPLED REACTOR-DISTILLATION SYSTEM

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Rohm and Haas Company
100 Independence Mall West
Philadelphia, Pennsylvania 19106

an entity organized and existing under the laws of the state of Delaware (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
62/073,285	October 31, 2014	United States of America

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recording of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: Collegeville, PA
this 28 day of JANUARY, 2016
Effective as of October 31, 2014
Signature: Kirk W. Limbach
Full Name: Kirk W. Limbach
Mailing Address: 3 Aiman Circle
Dresher, Pennsylvania 19025
Country: United States of America

At: Collegeville, PA
this 29 day of January, 20 16
Effective as of October 31, 2014

Signature: *Dmitri A. Krapchétov*
Full Name: Dmitri A. Krapchétov
Mailing Address: 2034 Ryans Run
Lansdale, Pennsylvania 19446
Country: United States of America

At: Collegeville PA
this 29 day of January, 20 16
Effective as of October 31, 2014

Signature: Mark A. Silvano
Full Name: Mark A. Silvano
Mailing Address: 344 Marienstein Road
Upper Black Eddy, Pennsylvania 18972
Country: United States of America

At: _____
this _____ day of _____, 20____

Signature: _____
Full Name: _____
Mailing Address: _____

Country: _____