504432773 06/27/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4479474 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
OTTO J. BERBEE	02/06/2015
STEFAN HINRICHS	02/06/2015

RECEIVING PARTY DATA

Name:	DOW BENELUX B.V.
Street Address:	HERBERT H. DOWWEG 5
Internal Address:	4542 NM HOEK, POSTBUS 48
City:	TERNEUZEN
State/Country:	NETHERLANDS
Postal Code:	4530 AA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15100483

CORRESPONDENCE DATA

Fax Number: (414)223-5000

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.

Phone: 4149785559

jere.polmatier@huschblackwell.com Email:

Correspondent Name: JERE L. POLMATIER Address Line 1: HUSCH BLACKWELL LLP

Address Line 2: 555 EAST WELLS STREET, SUITE 1900

Address Line 4: MILWAUKEE, WISCONSIN 53202

ATTORNEY DOCKET NUMBER: DOW-38363-A-US NAME OF SUBMITTER: JERE L. POLMATIER SIGNATURE: /jlp/ **DATE SIGNED:** 06/27/2017

Total Attachments: 2

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> **PATENT** REEL: 042825 FRAME: 0477 504432773

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 encoder and ReDate

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FORM 110 (R.5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verily believe I arn/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: PROCESSES TO FORM ETHYLENE-BASED POLYMERS USING ASYMMETRICAL POLYENES

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:

Dow Benelux B.V. Herbert H. Dowweg 5 4542 NM Hoek. Postbus 48 4530 AA Terneuzen NETHERLANDS

an entity organized and existing under the laws of the State of Netherlands (hereinafter referred to as the "Assignee"), my/our entire right, title and interest an entity organized and existing under the laws of the State of Netherlands (neremands (neremands contents), including provisional applications when permitted by law, for the late 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

		4.4
Priority Number	Filing Date	Filing Country
61/920 899	December 26, 2013	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 recordal 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: Jevneure Netherlands this b day of February , 20 13 Effective as of December 26, 2013 Signature: Full Name: Otto J. Berbee Residence: Carmelweg 17		
this	At Terneuzen Netherlands	
Signature: Full Name: Otto J. Berbee Residence: Carmelweg 17 4561XE Hulst NETHERLANDS Country: Netherlands Citizenship: Netherlands P.O. Address: Same as Residence Employed By. Dow Benelux B.V. Of Country: Netherlands At: this day of , 20 Signature: Full Name: Stefan Hintichs Residence: Liefbiltstraat 16 9032 Wondelgem BELGIUM Country: Belgrum Citizenship: Germany P.O. Address: Same as Residence Employed By. Dow Benelux B.V. Of Country: Netherlands At: this day of , 20 Signature: Full Name: Residence: Country: Citizenship: P.O. Address: Employed By: Country: Citizenship: P.O. Address: Employed By: Signature: Full Name: Residence: Country: Citizenship: P.O. Address: Employed By:	this 6 day of February 20 13	
Full Name: Otto J. Berbee Residence: Carmelweg 17 4561XE Hulst NETHERLANDS Country: Netherlands Citizenship: Netherlands P.O. Address: Same as Residence Employed By. Dow Benelux B.V. Of Country: Netherlands At: this day of , 20 Signature: Full Name: Residence: Liefbilkstraat 16 9032 Wondelgem BELGIUM Country: Belgium Citizenship: Germany P.O. Address: Same as Residence Employed By: Dow Benelux B.V. Of Country: Netherlands At: this day of , 20 Signature: Full Name: Residence: Country: Country: Country: Country: Country: Citizenship: P.O. Address: Employed By: Employed By: Employed By:	Effective as of December 26, 2013	Effective as of December, 26, 2013
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NETHERLANDS Country: Netherlands Citizenship: Netherlands P.O. Address: Same as Residence Employed By. Dow Benelux B.V. Of Country: Netherlands At: this day of , 20 Signature: Full Name: Residence: Country: Citizenship: P.O. Address: Employed By: BELGIUM Country: Belgium Citizenship: Germany P.O. Address: Same as Residence Employed By: Dow Benelux B.V Of Country: Netherlands At: this day of , 20 Signature: Full Name: Residence: Country: Citizenship: P.O. Address: Employed By:		
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al names and signatures are attached.	Or County.	L

() Addition

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This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number. FORM 660

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

DOW BENELUX B.V. Herbert H. Dowweg 5 4542 NM Hoek, Postbus 48 4530 AA Terneuzen Netherlands

hereby accept the ASSIGNMENT which is dated: February 6, 2015 and February 6, 2015; effective as of December 26, 2013.

From, the ASSIGNOR: Otto J. Berbee, Carmelweg 17, 4561XE Hulst, Netherlands, Citizen of Netherlands and Stefan Hinrichs, Liefbilkstraat 16, 9032 Wondelgem, Belgium, Citizen of Germany

of the invention entitled:

PROCESSES TO FORM ETHYLENE-BASED POLYMERS USING ASYMMETRICAL **POLYENES**

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

	Midland, Michigan 48674, USA day of
CORP SEAL	By: DARRYL P. FRICKEY Authorized Representative

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
STATE OF MICHIGAN) SS
County/Parish of Midland)
before me, DARRYL P. FRICKEY, Autknown or identified to me to be the individuand acknowledged the same as a free act and	thorized Representative, ual described in and who executed the foregoing document deed for uses and purposes therein expressed by existing under the laws of NETHERLANDS.

I further certify that said authority, dated March 21, 2011, is based on

by authority of a Power of Attorney

which I have seen, appointing the said individual Authorized Representative with full power to sign the foregoing document on behalf of the said entity and that the purposes for which said document is granted are within the scope of the objects or activities of said entity.

SEAL

NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES APRIL 07, 2018

RECORDED: 06/27/2017

PATENT REEL: 042825 FRAME: 0479