503890109 06/27/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3936758

		NEW ASSIGNMENT		
SUBMISSION TYPE: NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
CAROLINE H. LAUFER			01/09/2012	
ROBERT F. EATON			01/05/2012	
ABHIJIT GHOSH-DASTIDAR JEFFREY M. COGEN			01/05/2012	
			01/05/2012	
Name:	UNION	CARBIDE CHEMICALS & PLASTICS		
Street Address:	2020 DC	DW CENTER		
City:	MIDLAN	ID		
State/Country:	MICHIG	AN		
Postal Code:	48674			
PROPERTY NUMBERS	Total: 1			
Property Type Number		Numbor		
		Number		
Application Number:	1	14344421	_	
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Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name:	DATA (e sent to provided; 4 jl	4344421 414)223-5000 <i>the e-mail address first; if that is u</i> <i>if that is unsuccessful, it will be s</i> 149785559 polmatier@whdlaw.com IERE L. POLMATIER	ent via US Mail.	
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1:	DATA (e sent to provided; 4 ji J	4344421 414)223-5000 <i>the e-mail address first; if that is u</i> <i>if that is unsuccessful, it will be s</i> 149785559 polmatier@whdlaw.com IERE L. POLMATIER WHYTE HIRSCHBOECK DUDEK S.0	ent via US Mail.	
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Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	DATA (e sent to provided; 4 ji J V 5 N	414)223-5000 the e-mail address first; if that is u ; if that is unsuccessful, it will be s 149785559 polmatier@whdlaw.com IERE L. POLMATIER WHYTE HIRSCHBOECK DUDEK S.C 555 EAST WELLS STREET, SUITE 1 MILWAUKEE, WISCONSIN 53202 DOW-37248-A-US	ent via US Mail.	
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Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE: DATE SIGNED:	DATA (e sent to provided; 4 ji J V 5 M JMBER:	414)223-5000 the e-mail address first; if that is u ; if that is unsuccessful, it will be s 149785559 polmatier@whdlaw.com JERE L. POLMATIER NHYTE HIRSCHBOECK DUDEK S.C 555 EAST WELLS STREET, SUITE 1 MILWAUKEE, WISCONSIN 53202 DOW-37248-A-US JERE L. POLMATIER /jlp/ 06/27/2016	ent via US Mail.	

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Data

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Da FORM 110 (R 5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (with Priority Rights)

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: PLASTICIZER FOR LOW TEMPERATURE UNWIND WITH WEIGHT RETENTION DURING HEAT AGING

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:

Union Carbide Chemicals & Plastics Technology LLC

2020 Dow Center

Midland, Michigan 48674

a limited liability company organized and existing under the laws 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, httermitiant() and Latentian is 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	
61/541,847	September 30, 2011	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: Millington, NIT 57946 USA	At:
this 9 th day of JAN VARY , 20 12	this day of , 20
Effective as of September 30, 2011	Effective as of September 30, 2011
$\int \partial i 1$	
Signature: Co Co an	Signature:
Full Name: Caroline H. Laufer	Full Name: Robert F. Eaton
Residence: 11 Deer Run	Residence: 67 Mill Pond Road
Millington, New Jersey 07946	Belle Mead, New Jersey 08502
Country: United States of America	Country: United States of America
Citizenship: United States of America	Citizenship: United States of America
P.O. Address: Same as Residence	P.O. Address: Same as Residence
Employed By: Union Carbide Corporation*	Employed By: Union Carbide Corporation
Of Country: United States of America	Of Country: United States of America
*At the time the invention was made.	
At the time the invention was made.	
	Δ.t.
At:	At:
At:	this, 20,
At:	
At:	this day of , 20 Effective as of September 30, 2011 Signature:
At:	this day of , 20 Effective as of September 30, 2011 Signature:
At:	this day of, 20 Effective as of September 30, 2011
At:	this day of, 20 Effective as of September 30, 2011 Signature: Full Name: Jeffrey M. Cogen
At:	this day of, 20 Effective as of September 30, 2011 Signature: Full Name: Jeffrey M. Cogen Residence: 6 Braintree Crt
At:	this day of, 20 Effective as of September 30, 2011 Signature: Full Name: Jeffrey M. Cogen Residence: 6 Braintree Crt Flemington, New Jersey 08822 Country: United States of America Citizenship: United States of America
At:	thisday of, 20 Effective as of September 30, 2011 Signature: Full Name: Jeffrey M. Cogen Residence: 6 Braintree Crt Flemington, New Jersey 08822 Country: United States of America Citizenship: United States of America P.O. Address: Same as Residence
At:	this day of, 20 Effective as of September 30, 2011 Signature: Full Name: Jeffrey M. Cogen Residence: 6 Braintree Crt Flemington, New Jersey 08822 Country: United States of America Citizenship: United States of America

() Additional names and signatures are attached.

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date.
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This Assignment 110 is in the ENGLISH language and bas the same menning in other languages with the same 110 number and R/Date

FORM 110 (R 5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

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: PLASTICIZER FOR LOW TEMPERATURE UNWIND WITH WEIGHT RETENTION DURING HEAT AGING

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:

Union Carbide Chemicals & Plastics Technology LLC

2020 Dow Center

A limited liability company organized and existing under the laws 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 Assignce or its designce to inset here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
61/541,847	September 30, 2011	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:	At: Spring basse Pr
this day of , 20	this 5 th day of famerican, 20 (2
Effective as of September 30, 2011	Effective as of September 30, 2011
	PUTTY
Signature:	Signature: Carest- Carest
Full Name: Caroline H. Laufer	Full Name: Robert F. Eaton
Residence: 11 Deer Run	Residence: 67 Mill Pond Road
Millington, New Jersey 07946	Belle Mead, New Jersey 08502
Country: United States of America	Country: United States of America
Citizenship: United States of America	Citizenship: United States of America
P.O. Address: Same as Residence	P.O. Address: Same as Residence
Employed By: Union Carbide Corporation*	Employed By: Union Carbide Corporation
Of Country: United States of America	Of Country: United States of America
*At the time the invention was made.	
At: Spornettome PA	At Spring Howe PA
this the day of January, 2012	this 5th day of Jonnan ,20 12
this the day of January, 20 12 Effective as of September 30, 2011	At: Spring How PA this Sth day of January, 20 12 Effective as of September 30, 2011
this the day of January, 20 12- Effective as of September 30, 2011	this 5+6 day of <u>Jonna</u> , 20 12 Effective as of September 30, 2011
this the day of January, 20 12 Effective as of September 30, 2011 Signature:	this $5+b$ day of $56nna$, 20 12 Effective as of September 30, 2011 Signature:
this the day of January, 20 12 Effective as of September 30, 2011 Signature: All Signature: All September 30, 2011	this <u>5+h</u> day of <u>537009</u> , 20 <u>12</u> Effective as of September 30, 2011 Signature: Full Name: Jeffry M. Cogen
this the day of January, 2012 Effective as of September 30, 2011 Signature: Abhijit Ghosh-Dastidar Residence: 20 Gunpowder Drive	this 5+6 day of 53mman, 20 12 Effective as of September 30, 2011 Signature: 5 Full Name: Jeffry M. Cogen Residence: 6 Braintree Crt
this the day of January, 20 12 Effective as of September 30, 2011 Signature: Abhijit Ghosh-Dastidar Residence: 20 Gunpowder Drive East Brunswick, New Jersey 08816	this 5+h day of 53mma, 20 12 Effective as of September 30, 2011 Signature: Full Name: Jeffry M. Cogen Residence: 6 Braintree Crt Flemington, New Jersey 08822
this the day of January, 20 12 Effective as of September 30, 2011 Signature: Abhijit Ghost-Dastidar Residence: 20 Gunpowder Drive East Brunswick, New Jersey 08816 Country: United States of America	this 5+h day of 53mma, 20 12 Effective as of September 30, 2011 Signature: Full Name: Jeffry M. Cogen Residence: 6 Braintree Crt Flemington, New Jersey 08822 Country: United States of America
this the day of January, 20 12 Effective as of September 30, 2011 Signature: Abhijit Ghosh-Dastidar Residence: 20 Gunpowder Drive East Brunswick, New Jersey 08816 Country: United States of America Citizenship: United States of America	this 5+b day of 53mma, 20 12 Effective as of September 30, 2011 Signature: Full Name: Jeffry M. Cogen Residence: 6 Braintree Crt Flemington, New Jersey 08822 Country: United States of America Citizenship: United States of America
this the day of January, 20 12 Effective as of September 30, 2011 Signature: Abhijit Ghosh-Dastidar Residence: 20 Gunpowder Drive East Brunswick, New Jersey 08816 Country: United States of America Citizenship: United States of America P.O. Address: Same as Residence	this 5+b day of 53mma, 20 12 Effective as of September 30, 2011 Signature: Full Name: Jeffiny M. Cogen Residence: 6 Braintree Crt Flemington, New Jersey 08822 Country: United States of America Citizenship: United States of America P.O. Address: Same as Residence
this the day of January, 20 12 Effective as of September 30, 2011 Signature: Abhijit Ghosh-Dastidar Residence: 20 Gunpowder Drive East Brunswick, New Jersey 08816 Country: United States of America Citizenship: United States of America	this 5+b day of 5300000, 20 12 Effective as of September 30, 2011 Signature: Full Name: Jeffry M. Cogen Residence: 6 Braintree Crt Flemington, New Jersey 08822 Country: United States of America Citizenship: United States of America

() Additional names and signatures are attached.

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

FORM 660

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC 2020 Dow Center Midland, Michigan 48674 United States of America

hereby accept the ASSIGNMENT attached hereto which is dated: January 9, 2012; and January 5, 2012;;effective as of September 30, 2011

From, the ASSIGNOR: Caroline H. Laufer, 11 Deer Run, Millington, New Jersey 07946, United States of America, Citizen of United States of America; Robert F. Eaton, 67 Mill Pond Road, Belle Mead, New Jersey 08502, United States of America, Citizen of United States of America; Abhijit Ghosh-Dastidar, 20 Gunpowder Drive, East Brunswick, New Jersey 08816, United States of America, Citizen of India; and Jeffery M. Cogrn, 6 Braintree Crt, Flemington, New Jersey 08822, United States of America, Citizen of United States of America, Citizen of United States of America, New Jersey 08822, United States of America, Citizen of United States of America

of the invention entitled:

PLASTICIZER FOR LOW TEMPERATURE UNWIND WITH WEIGHT RETENTION DURING HEAT AGING

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.

Signed at	Midland, Michigan 48674, USA
this 14	day of Auguest, 20 12
COF	UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC
	Secretary
NOTA	RIAL CERTIFICATE (Limited Liability Company)
STATE OF County/Par On this before me, known or ide and acknowle authority of t	TATES OF AMERICA) MICHIGAN) SS ish of Midland) <u>4</u> day of <u>August</u> , 20 <u>12</u> , personally appeared CHARLES J. MAURER III, Secretary, ntified to me to be the individual described in and who executed the foregoing document edged the same as a free act and deed for uses and purposes therein expressed by the said Limited Liability Company incorporated under the laws of the State of nited States of America.
I further certi	fy that said authority, dated December 31, 2007, is based on
Authorizatio	n Policy of said Limited Liability Company
document on	seen, appointing the said individual Secretary with full power to sign the foregoing behalf of the said Limited Liability Company and that the purposes for which said granted are within the scope of the objects or activities of said Limited Liability

P/UBLIC

PATENT

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



RECORDED: 06/27/2016

REEL: 039018 FRAME: 0569