# 506089622 06/03/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6136340

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
THERESA M. REINEKE	08/20/2015
FRANK S. BATES	10/04/2015
JEFFREY M. TING	07/30/2015
LAKMINI WIDANAPATHIRANA	09/03/2015
SWAPNIL TALE	02/15/2016
STEVEN J. GUILLAUDEU	03/27/2015
LI GUO	03/31/2015

#### **RECEIVING PARTY DATA**

DOW GLOBAL TECHNOLOGIES LLC
2040 DOW CENTER
MIDLAND
MICHIGAN
48674
ROHM AND HAAS COMPANY
100 INDEPENDENCE MALL WEST
PHILADELPHIA
PENNSYLVANIA
19106
REGENTS OF THE UNIVERSITY OF MINNESOTA
600 MCNAMARA ALUMNI CENTER
200 OAK STREET SE
MINNEAPOLIS
MINNESOTA
55455

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15554442

# **CORRESPONDENCE DATA**

PATENT REEL: 052830 FRAME: 0244

506089622

Fax Number:

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:** 3029992371

**Email:** janice.soulas@dupont.com

Correspondent Name: DUPONT

Address Line 1: 974 CENTRE ROAD

Address Line 4: WILMINGTON, DELAWARE 19805

ATTORNEY DOCKET NUMBER:	D175832-US-PCT
NAME OF SUBMITTER:	JANICE SOULAS
SIGNATURE:	/JANICE SOULAS/
DATE SIGNED:	06/03/2020

#### **Total Attachments: 7**

source=75832 Signed Assignments#page1.tif source=75832 Signed Assignments#page2.tif source=75832 Signed Assignments#page3.tif source=75832 Signed Assignments#page4.tif source=75832 Signed Assignments#page5.tif

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FORM 110 (8.597)

# INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verify 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: COPOLYMERS AS EXCIPIENTS FOR EFFECTIVE SOLUBILIZATION OF POORLY WATER-SOLUBLE SUBSTANCES FROM SOLID MIXTURES

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 self, assign and transfer unto:

Regents of the University of Minnesota 600 McNamara Alumni Center 200 Oak Street SE Minnesota, 55455

an entity organized and existing under the laws of the state of (hereinafter referred to as the "Assignce"); 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

- 1	Priority Number	Fifing Date	Filing Country	į
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- 1	K9/137 874	March 4, 2015	United States of America	ı
- 1	04/14/2/9	TARREST AT WAS ET.		í.

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:

T	The state of the s
At:	As University of Minnesota
this day of, 20	this 20 day of August ,20 15
Effective as of March 4, 2015	Effective as of March 4, 2015
Signature:	Signature: Recesof 12
Full Name: Swapnil Tale	Full Name: Theresa M. Reineke
Mailing Address: Regents of the University of Minnesota	Mailing Address: Regents of the University of Minnesota
200 Oak Street SE, Suite 600	200 Oak Street SE, Suite 600
Minneapolis, Minnesota 55455	Minneapolis, Minnesota 55455
United States of America	United States of America
At:	At:
this day of . 20	this day of .20
Effective as of March 4, 2015	Effective as of March 4, 2015
Signature:	Signature:
Full Name: Frank S. Bates	Full Name: Jeffrey M. Ting
Mailing Address: Regents of the University of Minnesota	Mailing Address: Regents of the University of Minnesota
200 Oak Street SE, Suite 600	200 Oak Street SE, Suite 600
Minneapolis, Minnesota 55455	Minneapolis, Minnesota 55455
United States of America	United States of America
At:	At:
this day of , 20, 20	this day of, 20
Signature:	Signature:
Full Name: Lakmini Widanapathirana	Full Name:
Mailing Address: Regents of the University of Minnesota	Mailing Address:
600 McNamara Alumni Center	
200 Oak Street SE	3-74
Minneapolis, Minnesota 55455	
United States of America	- PARTICIPATE AND

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Filing Country

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Priority Number

62/127,874

600 McNamara Alumni Center

Minneapolis, Minnesota 55455 United States of America

200 Oak Street SE

FORM 110 (R 5/91)

# INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

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Regents of the University of Minnesota 600 McNamara Alumni Center 200 Oak Street SE

Minnesota 55455
an entity organized and existing under the laws of the state of (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

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

Filing Date

March 4, 2015

Subscribed and Declared by me/us:		
At:	] [At:	
this day of , 20	this day of	, 20
Effective as of March 4, 2015	Effective as of March 4, 2015	
Signature:	Signature:	
Full Name: Swapnil Tale	Full Name: Theresa M. Reineke	
Mailing Address: Regents of the University of Minnesota	Mailing Address: Regents of the Univer	
200 Oak Street SE, Suite 600	200 Oak Street SE, St	
Minneapolis, Minnesota 55455	Minneapolis, Minnes	
United States of America	United States of Ame	rica
At: U. W. Messta	] [At	
this day of October , 20 15	this day of	, 20
Effective as of March 4, 2015	Effective as of March 4, 2015	
D. M. Matson		
Signature: The Signature Signature	Signature:	
Full Name/ Frank S. Bates	Full Name: Jeffrey M. Ting	
Mailing Address: Regents of the University of Minnesota	Mailing Address: Regents of the Univer	
200 Oak Street SE, Suite 600	200 Oak Street SE, St	
Minneapolis, Minnesota 55455	Minneapolis, Minnes	
United States of America	United States of Ame	rica
At	1 [At:	
this day of ,20	this day of	. 20
Effective as of March 4, 2015		*
Chiculiae de di lauren a' volo		
Signature:	Signature:	
Fuil Name: Lakmini Widanapathirana	Full Name:	
Mailing Address: Regents of the University of Minnesota	Mailing Address:	
	. ,	

PATENT

REEL: 052830 FRAME: 0247

FORM 110 (R 5/97)

This Assignment 110 is in the ENGLISH language and lim the same meaning in other languages with the sema 110 mander and RiDate

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Regents of the University of Minnesota

600 McNamara Alumni Center

200 Oak Street SE

Minneapolis, Minnesota 55455

an entity organized and existing under the laws of the state of (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
62/127.874	March 4, 2015	United States of America

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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;
this day of , 20	this day of , 20
Effective as of March 4, 2015	Effective as of March 4, 2015
Signature:	Signature:
Full Name: Swapnil Tale	Full Name: Theresa M. Reineke
Mailing Address: Regents of the University of Minnesota 200 Oak Street SE, Suite 600 Minneapolis, Minnesota 55455 United States of America	Mailing Address: Regents of the University of Minnesota 200 Oak Street SE, Suite 600 Minneapolis, Minnesota 55455 United States of America
At:	At: University of Minnesota
this day of , 20	this 30th day of July ,20 15
Effective as of March 4, 2015	Effective as of March 4, 2015
Signature:	Signature:
Full Name: Frank S. Bates	Full Name: Jeffrey M. Ting
Mailing Address: Regents of the University of Minnesota 200 Oak Street SE, Suite 600	Mailing Address: Regents of the University of Minnesota 200 Oak Street SE, Suite 600
Minneapolis, Minnesota 55455	Minneapolis, Minnesota 55455
United States of America	United States of America
At:	At:
this day of , 20	this day of , 20
Effective as of March 4, 2015	
Signature:	Signature:
Full Name: Lakmini Widanapathirana	Full Name:
Mailing Address: Regents of the University of Minnesota	Mailing Address:
600 McNamara Alumni Center	Andrew Programme Comments and C
200 Oak Street SE	- Addresses
Minneapolis, Minnesota 55455	T-GA-T-GA-T-GA-T-GA-T-GA-T-GA-T-GA-T-GA
United States of America	<u></u>

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FORM 110 (R 5/97)

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Regents of the University of Minnesota 600 McNamara Alumni Center

200 Oak Street SE

Minneapolis, Minnesota 55455

an entity organized and existing under the laws of the state of DEHHELMANITUMENAMICOWN THEMP CREATE MANIMORIE MINES. WHICH WAND CHEMPANE CONTROL WHICH CONTROL WHICH CONTROL C

1	Priority Number	Filing Date	Filing Country
	62/127,874	March 4, 2015	United States of America

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7 ....

Subscribed and Declared by me/us:

At:	At:
this day of , 20	this day of , 20
Effective as of March 4, 2015	Effective as of March 4, 2015
Sígnature:	Signature:
Full Name: Swapnil Tale	Full Name: Theresa M. Reineke
Mailing Address: Regents of the University of Minnesota 200 Oak Street SE, Suite 600	200 Oak Street SE, Suite 600
Minneapolis, Minnesota 55455 United States of America	Minneapolis, Minnesota 55455 United States of America
At:	At:
this day of, 20	this day of , 20
Effective as of March 4, 2015	Effective as of March 4, 2015
Signature:	Signature:
Full Name: Frank S. Bates	Full Name: Jeffrey M. Ting
Mailing Address: Regents of the University of Minnesota 200 Oak Street SE, Suite 600	Mailing Address: Regents of the University of Minnesota 200 Oak Street SE, Suite 600
Minneapolis, Minnesota 55455	Minneapolis, Minnesota 55455
United States of America	United States of America
Av Deerfield, IL	At:
this Third day of September , 20 15	this day of , 20
Effective as of March 4, 2015	
Signature:	Signature:
Fuli Name: Lakmini Widanapathirana	Full Name:
Mailing Address: Regents of the University of Minnesota	Mailing Address:
600 McNamara Alumni Center	
200 Oak Street SE	
Minneapolis, Minnesota 55455	
United States of America	

FORM 110 (8 5/97)

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Regents of the University of Minnesota 600 McNamara Alumni Center 200 Oak Street SE Minneapolis, Minnesota 55455

an entity organized and existing under the laws of the state of '(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 demostic 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		
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67/177 274	\$4000 A 2016	7: 15: 25: 2	
L	Saratani La Maria	United States of America	

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Subscribed and Declared by me/us:

AL Cremistry Dept. University of Mignesota	At:		
this 15 day of Februard 0 20 16	this day of . 20		
Effective as of March 4, 2015	Effective as of March 4, 2015		
Signature: Full Name: Swapnil Tale	Signature:		
Mailing Address: Regents of the University of Minnesota	Full Name: Theresa M. Reineke		
200 Oak Street SE, Spite 600	Mailing Address: Regents of the University of Minnesota		
Minneanolis, Minnesota 55455	200 Oak Street SE, Suite 600		
United States of America	Minneapolis, Minnesota 55455		
L CHINA SERVICE OF MIGHE	United States of America		
groundscarce (2015) 10-1-10 (White the deal of the dea			
this day of , 20	this day of , 20		
Effective as of March 4, 2015	Effective as of March 4, 2015		
Signature:	Signature;		
Full Name: Frank S. Bates	Full Name: Jeffrey M. Ting		
Mailing Address: Regents of the University of Minnesota 200 Oak Street SE, Suite 600	Mailing Address: Regents of the University of Minnesona 200 Oak Street SE: Suite 600		
Minneapolis, Minnesota 55455	Minneapolis, Minnesota 55455		
United States of America	United States of America		
	Mark Control (Control		
At:	At		
this day of, 20	this day of , 20		
Effective as of March 4, 2015			
Signature:	Signature		
Full Name: Lakmini Widanapathirana	Full Visite:		
Mailing Address: Regents of the University of Minnesona	Mailing Address:		
600 McNamara Alumni Center	1 # Market 2 Tropic   1 # Market 2 Tropic		
200 Oak Street SE	Services of the services of th		
Minneapolis, Minnesota 55455	**************************************		
United States of America	encember of the second		

This Assignment 110 is in the EFG ALSH language and has the same meaning in other languages with the same 110 pigether and RADate

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FORM 110 (R 5/97)

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#### Dow Global Technologies LLC

2040 Dow Center

Midland, Michigan 48674

an entity organized and existing under the laws of the state of **Defaware** (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		
62/127,874	March 4, 2015	United States of America		

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Subscribed and Declared by me/us:

At: Midland, MI		At:		
this 27 day of March	, 20 <u>/ 5</u>	this	day of	. 20
Effective as of March 4, 2015			<del></del>	
Signature: Allow				
Signature: All dan		Signature:		
Full Name: Steven J. Guillaudeu		Full Name:		
Mailing Address: Michigan Operations		Mailing Address:		
1702 Building Midland, Michigan 48674		1		
United States of America				
1 OSHEC CHICA OF AMERICA		L		
At:		At:		
this day of	, 20	this	day of	, 20
Cimatowa	***			
Signature: Full Name:		Signature:	A MANAGEMENT OF THE PROPERTY O	
Mailing Address:		Full Name:		
I Maning Address.		Mailing Add	ress:	
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At	<u> </u>	At:		<u> </u>
this day of	. 20	this	day of	20
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		***************************************		
Signature:		Signature:		
Full Name:	1	Full Name:		
Mailing Address:		Mailing Addr	ress:	
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FORM 110 (R. 5/97)

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#### 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

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Subscribed and Declared by me/us:

At: Houston, TX	At:		
this 31 day of March , 2015	this day of	, 20	
Effective as of March 4, 2015,			
N/-			
Signature:	Signature:		
Full Name: Li Guo	Full Name:		
Mailing Address: 9702 N, Sam Houston Parkway East	Mailing Address:		
Apt. 818			
Humble, Texas 77396			
United States of America			
T			
At:	At:		
this day of, 20	this day of	, 20	
Signature:	Signature:		
Full Name:	Full Name:		
Mailing Address:	Mailing Address:		
	· L		
At:	At:		
this day of , 20	this day of	, 20	
Signature:	Signature:		
Full Name:	Full Name:		
Mailing Address:	Mailing Address:		