502269974 03/14/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
C. Grant Willson	03/05/2013
William J. Durand	03/05/2013
Christopher John Ellison	03/05/2013
Christopher M. Bates	03/05/2013
Takehiro Seshimo	03/12/2013
Julia Cushen	02/26/2013
Logan J. Santos	03/06/2013
Leon Dean	03/05/2013
Erica Rausch	03/13/2013

RECEIVING PARTY DATA

Name:	Board of RegentsThe University of Texas System
Street Address:	201 W. 7th Street
City:	Austin
State/Country:	TEXAS
Postal Code:	78701

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13761324

CORRESPONDENCE DATA

Fax Number: 4159570279

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 4159575935

Email: a a everson @medlencarroll.com, rldalton @medlencarroll.com, docketing @medlencarroll.com

Name:

1:

Correspondent Medlen and Carroll, LLP

Address Line

703 Market Street, Suite 340

Address Line San Francisco, CALIFORNIA 94103 ATTORNEY DOCKET NUMBER: TEXAS-17508 NAME OF SUBMITTER: Abby Everson This document serves as an Oath/Declaration (37 CFR 1.63). Total Attachments: 25 source=1595#page1.tif source=assigncushen#page1.tif source=assigncushen#page2.tif source=assigncushen#page3.tif source=assigncushen#page4.tif source=assignleon#page1.tif source=assignleon#page2.tif source=assignleon#page3.tif source=assignleon#page4.tif source=assignrausch#page1.tif source=assignrausch#page2.tif source=assignrausch#page3.tif source=assignrausch#page4.tif source=assignsantos#page1.tif source=assignsantos#page2.tif source=assignsantos#page3.tif source=assignsantos#page4.tif source=assignseshimo#page1.tif source=assignseshimo#page2.tif source=assignseshimo#page3.tif source=assignseshimo#page4.tif source=assignwillsondurandellisonbates#page1.tif source=assignwillsondurandellisonbates#page2.tif

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Attorney Docket No.: TEXAS-17508 CUSTOMER NUMBER: 23535

	RECORDATION FORM COVER SHEET U.S. Deportment of		
Form PTO-1595	PATENT	U.S. Department of Commerce Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Name of conveying party(ies): Willson, C. Grant Durand, William J. Ellison, Christopher John Bates, Christopher M. Seshimo, Takehiro Cushen, Julia Santos, Logan J. Dean, Leon Rausch, Erica		Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): Board of Regents The University of Texas System 201 W. 7th Street Austin, Texas 78701	
Additional name(s) of conveying party(ies) attached? No Nature of conveyance: Assignment Execution Date: 03/05/2013 03/05/2013 03/05/2013 03/12/2013 03/12/2013 03/06/2013 03/06/2013 03/05/2013 03/05/2013 03/05/2013		Additional name(s) & address(es) attached? No posited Films to Control Domain Orientations in Block B. Patent No.(s):	
	Additional numb	pers attached? No	
5. Name and address of par concerning document sh Peter G. Carroll MEDLEN & CARROLL, LL 703 Market Street, Suite San Francisco, Californi	P 340	7. Total fee(s): Payment in the amort (\$40 Recordation fe) 8. Deposit Account Au The Commissioner in	athorization: is hereby authorized to charge any edit any overpayment to Deposit
	DO NOT USI	E THIS SPACE	
9. Statement and Signature: To the best of my knowledge and belief, the forego attached copy is a true copy of the original document.			ation is true and correct and any
Date: March 14, 2013		Signature: Shape Jal Jal	
		Name: Thomas C. Howerton Reg. No.: 48,650	1

ASSIGNMENT

WHEREAS, We, C. Grant Willson, William J. Durand, Christopher John Ellison, Christopher M. Bates, Takehiro Seshimo, Julia Cushen, Logan J. Santos, Leon Dean, and Erica Rausch hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

USING CHEMICAL VAPOR DEPOSITED FILMS TO CONTROL DOMAIN

ORIENTATIONS IN BLOCK COPOLYMER THIN FILMS

Filing Date: 2/7/2013

Serial No.: 13/761,324

WHEREAS, Board of Regents The University of Texas System, 201 W. 7th Street, Austin, Texas 78701, herein after 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 and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does 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, 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 ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR 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 will 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, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

C. Grant Willson	Date	William J. Durand	Date
On thisday of, in the year of, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.		On this day of before me, the undersigned notary p above-named ASSIGNOR, known of of satisfactory evidence) to be the p the within instrument, and acknowle	public, personally appeared the to me (or proved to me on the basis erson whose name is subscribed to
NOTARY PUBLIC		NOTARY PUBLIC	
SEAL		SEAL	
Christopher John Ellison	Date	Christopher M. Bates	Date
On thisday of, in the year of, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.		On this day of, in the year of, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.	
NOTARY PUBLIC		NOTARY PUBLIC	
SEAL		SEAL	

		Calli Cush	- 2/24/13
Takehiro Seshimo	Date	Julia Cushen	Date
On this day of before me, the undersigned personally appeared the above-name me (or proved to me on the basis of be the person whose name is subscrib instrument, and acknowledged that h	I notary public, d ASSIGNOR, known to satisfactory evidence) to bed to the within	before me, the undersigned not above-named ASSIGNOR, kno of satisfactory evidence) to be t	ary public, personally appeared the own to me (or proved to me on the basis the person whose name is subscribed to owledged that he/she executed the same.
		NOTARY PUBLIC Jua	Juana Horbman
NOTARY PUBLIC			•
SEAL		SEAL (**)	TIAJUANA STOCKMAN NOTARY PUBLIC State of Texas Comm. Exp. 05-08-2015
Logan J. Santos	Date	Leon Dean	Date
On this day of before me, the undersigned personally appeared the above-name me (or proved to me on the basis of be the person whose name is subscri- instrument, and acknowledged that h	I notary public, d ASSIGNOR, known to satisfactory evidence) to bed to the within	before me, the undersigned not above-named ASSIGNOR, kno of satisfactory evidence) to be t	ary public, personally appeared the own to me (or proved to me on the basis the person whose name is subscribed to lowledged that he/she executed the same.
NOTARY PUBLIC		NOTARY PUBLIC	
		SEAL	
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Erica Rausch	Date
On thisday of, before me, the undersign personally appeared the above-name (or proved to me on the basis of the person whose name is substinstrument, and acknowledged that	ned notary public, med ASSIGNOR, known to of satisfactory evidence) to cribed to the within
NOTARY PUBLIC	
SEAL	

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ASSIGNMENT

WHEREAS, We, C. Grant Willson, William J. Durand, Christopher John Ellison, Christopher M. Bates, Takehiro Seshimo, Julia Cushen, Logan J. Santos, Leon Dean, and Erica Rausch hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

USING CHEMICAL VAPOR DEPOSITED FILMS TO CONTROL DOMAIN

ORIENTATIONS IN BLOCK COPOLYMER THIN FILMS

Filing Date: 2/7/2013

Serial No.: 13/761,324

WHEREAS, **Board of Regents The University of Texas System, 201 W. 7th Street, Austin, Texas 78701**, herein after 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 and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does 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, 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 ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR 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 will 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, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

C. Grant Willson	Date	William J. Durand	Date
On this day of, in the year of, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.		On this day of, in the year of before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same	
NOTARY PUBLIC		NOTARY PUBLIC	
SEAL		SEAL	
Christopher John Ellison	Date	Christopher M. Bates	Date Date
On this day of, in the year of, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.		On this day of before me, the undersigned notary p above-named ASSIGNOR, known to of satisfactory evidence) to be the p the within instrument, and acknowle	public, personally appeared the to me (or proved to me on the basis erson whose name is subscribed to
NOTARY PUBLIC	-	NOTARY PUBLIC	
SEAL		SEAL	

Takehiro Seshimo	Date	Julia Cushen	Date
On this day of, in the year of, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.		before me, the undersigned notar above-named ASSIGNOR, know of satisfactory evidence) to be the	ny public, personally appeared the wn to me (or proved to me on the basis are person whose name is subscribed to wiledged that he/she executed the same
NOTARY PUBLIC		NOTARY PUBLIC	
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		Im De	3/5/13
Logan J. Santos	Date	Leon Dean	Date
On this day of before me, the undersigned notary pure personally appeared the above-named ASSIGN me (or proved to me on the basis of satisfactor be the person whose name is subscribed to the instrument, and acknowledged that he/she executions are the person whose name is subscribed to the instrument, and acknowledged that he/she executions.	ublic, NOR, known to y evidence) to within	above-named ASSIGNOR, know of satisfactory evidence) to be the	ny public, personally appeared the wn to me (or proved to me on the basis e person whose name is subscribed to wledged that he/she executed the same.
NOTARY PUBLIC		,	
SEAL		SEAL	JIN KYUNG LEE lotary Public, State of Texas My Commission Expires March 02, 2014

Erica Rausch	Date
On this day of, before me, the undersigners on all yappeared the above-name (or proved to me on the basis of the person whose name is subs	ned notary public, med ASSIGNOR, known to of satisfactory evidence) to
instrument, and acknowledged that	at he/she executed the same.
NOTARY PUBLIC	

SEAL

ASSIGNMENT

WHEREAS, Wc, C. Grant Willson, William J. Durand, Christopher John Ellison, Christopher M. Bates, Takehiro Seshimo, Julia Cushen, Logan J. Santos, Leon Dean, and Erica Rausch hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

USING CHEMICAL VAPOR DEPOSITED FILMS TO CONTROL DOMAIN

ORIENTATIONS IN BLOCK COPOLYMER THIN FILMS

Filing Date: 2/7/2013

Serial No.: 13/761,324

WHEREAS, Board of Regents The University of Texas System, 201 W. 7th Street, Austin, Texas 78701, herein after 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 and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does 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, 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 ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

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IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

- 1 -

C. Grant Willson	Date	William J. Durand	Date
On this day of, in the year of, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.		On this day of before me, the undersigned notary p above-named ASSIGNOR, known of of satisfactory evidence) to be the p the within instrument, and acknowle	public, personally appeared the to me (or proved to me on the basis erson whose name is subscribed to
NOTARY PUBLIC		NOTARY PUBLIC	
SEAL		SEAL	
Christopher John Ellison	 Date	Christopher M. Bates	Date
On this day of, in the year of, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.		On this day of, in the year of before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same	
NOTARY PUBLIC		NOTARY PUBLIC	
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Takehiro Seshimo Date	Julia Cushen	Date
On this	before me, the undersigned notar above-named ASSIGNOR, know of satisfactory evidence) to be the	y public, personally appeared the yn to me (or proved to me on the basic person whose name is subscribed to wledged that he/she executed the same
NOTARY PUBLIC	NOTARY PUBLIC	
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Logan J. Santos Date	Leon Dean	Date
Date On this day of, in the year of, before me, the undersigned notary public, ersonally appeared the above-named ASSIGNOR, known to e (or proved to me on the basis of satisfactory evidence) to the person whose name is subscribed to the within strument, and acknowledged that he/she executed the same.	Leon Dean On this day of before me, the undersigned notary p above-named ASSIGNOR, known t of satisfactory evidence) to be the pe the within instrument, and acknowle	to me (or proved to me on the basis
on this day of, in the year of, before me, the undersigned notary public, ersonally appeared the above-named ASSIGNOR, known to e (or proved to me on the basis of satisfactory evidence) to the person whose name is subscribed to the	On this day of before me, the undersigned notary p above-named ASSIGNOR, known t of satisfactory evidence) to be the	oublic, personally appeared the one (or proved to me on the basis

Erica Rausch

, in the year of 2013, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.

NOTARY PUBLIC

SEAL

C. OATES
Notary Public-Notary Seal
STATE OF MISSOURI Jackson County My Commission Expires April 22, 2013 Commission # 09469297

- 4. -

ASSIGNMENT

WHEREAS, We, C. Grant Willson, William J. Durand, Christopher John Ellison, Christopher M. Bates, Takehiro Seshimo, Julia Cushen, Logan J. Santos, Leon Dean, and Erica Rausch hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: USING CHEMICAL VAPOR DEPOSITED FILMS TO CONTROL DOMAIN

ORIENTATIONS IN BLOCK COPOLYMER THIN FILMS

Filing Date: 2/7/2013 Serial No.: 13/761,324

WHEREAS, Board of Regents The University of Texas System, 201 W. 7th Street, Austin, Texas 78701, herein after 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;

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IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

C. Grant Willson	Date	William J. Durand	Date
On this day of, before me, the undersigned r personally appeared the above-named me (or proved to me on the basis of sar be the person whose name is subscribe instrument, and acknowledged that he/	notary public, ASSIGNOR, known to tisfactory evidence) to d to the within	On this day of before me, the undersigned notary p above-named ASSIGNOR, known of of satisfactory evidence) to be the p the within instrument, and acknowle	public, personally appeared the to me (or proved to me on the basis erson whose name is subscribed to
NOTARY PUBLIC		NOTARY PUBLIC	
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Christopher John Ellison	Date	Christopher M. Bates	Date
On this day of, in the year of, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.		On this day of before me, the undersigned notary p above-named ASSIGNOR, known t of satisfactory evidence) to be the p the within instrument, and acknowle	oublic, personally appeared the to me (or proved to me on the basis erson whose name is subscribed to
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Takehiro Seshimo	Date	Julia Cushen	Date
On thisday of, before me, the undersigned notary personally appeared the above-named ASSIC me (or proved to me on the basis of satisfact be the person whose name is subscribed to the instrument, and acknowledged that he/she ex	public, JNOR, known to ory evidence) to se within	before me, the undersigned not above-named ASSIGNOR, kn of satisfactory evidence) to be	in the year of, in the year of, in the year of, in the year of, in the person whose name is subscribed to nowledged that he/she executed the same
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Logan J. Santos	3/6/13. Date	Leon Dean	Date
On this day of day. Defore me, the undersigned notary personally appeared the above-named ASSIC me (or proved to me on the basis of satisfact be the person whose name is subscribed to the instrument, and acknowledged that he/she ex	public, SNOR, known to Gry evidence) to te within	before me, the undersigned not above-named ASSIGNOR, kno of satisfactory evidence) to be	in the year of, ary public, personally appeared the own to me (or proved to me on the basis the person whose name is subscribed to wowledged that he/she executed the same.
NOTARY PUBLIC Deme	Reon	NOTARY PUBLIC	
SEAL DIANE REES Notary Public, State of Texas My Commission Expires OCTOBER 24, 2015		SEAL	

- 3 -

Erica Rausch	Date
, before me, the under personally appeared the above me (or proved to me on the ba be the person whose name is s	e-named ASSIGNOR, known to sis of satisfactory evidence) to
NOTARY PUBLIC	
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ASSIGNMENT

WHEREAS, We, C. Grant Willson, William J. Durand, Christopher John Ellison, Christopher M. Bates, Takehiro Seshimo, Julia Cushen, Logan J. Santos, Leon Dean, and Erica Rausch hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

USING CHEMICAL VAPOR DEPOSITED FILMS TO CONTROL DOMAIN

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Filing Date: 2/7/2013

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IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

-1-

C. Grant Willson	Date	William J. Durand	Date
On this day of, before me, the undersigned repersonally appeared the above-named me (or proved to me on the basis of sate the person whose name is subscribe instrument, and acknowledged that he/	ASSIGNOR, known to tisfactory evidence) to d to the within	of satisfactory evidence) to be the	in the year of, in the year of, public, personally appeared the n to me (or proved to me on the basis person whose name is subscribed to pledged that he/she executed the same
NOTARY PUBLIC		NOTARY PUBLIC	
SEAL		SEAL	
Christopher John Ellison	Date	Christopher M. Bates	Date
On this day of, in the year of, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.		of satisfactory evidence) to be the	
NOTARY PUBLIC		NOTARY PUBLIC	
SEAL		SEAL	

Josephin deshin	- 3/12 2013		
Takehiro Seshimo	Date	Julia Cushen	Date
On this 12 day of March, in the year of 2013, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.		On this day of, in the year of, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same	
NOTARY PUBLIC ON Go Lac		NOTARY PUBLIC	
SEAL JIN KYUNG LEE Notary Public, State of Texas My Commission Expires March 02, 2014		SEAL	
Logan J. Santos	Date	Leon Dean	Date
On this day of, in the year of, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.		On this day of, in the year of before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same	
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-3-

Erica Rausch	Date
On this day of, before me, the undersig personally appeared the above-na me (or proved to me on the basis be the person whose name is substinstrument, and acknowledged the	gned notary public, amed ASSIGNOR, known to of satisfactory evidence) to scribed to the within
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-4-

ASSIGNMENT

WHEREAS, We, C. Grant Willson, William J. Durand, Christopher John Ellison, Christopher M. Bates, Takehiro Seshimo, Julia Cushen, Logan J. Santos, Leon Dean, and Erica Rausch hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

USING CHEMICAL VAPOR DEPOSITED FILMS TO CONTROL DOMAIN

ORIENTATIONS IN BLOCK COPOLYMER THIN FILMS

Filing Date: 2/7/2013

Serial No.: 13/761,324

WHEREAS, Board of Regents The University of Texas System, 201 W. 7th Street, Austin, Texas 78701, herein after 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 and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does 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, 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 ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR 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 will 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, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

- 1 -

C. Hour Uteller 3/5/	3.4
C. Grant Willson Date	William J. Durand Date
On this 5th day of March, in the year of before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.	On this
NOTARY PUBLIC Lia Quana	NOTARY PUBLIC La grana Stockman
TIAJUANA STOCKMAN NOTARY PUBLIC State of Texas Comm. Exp. 05-08-2015	SEAL TIAJUANA STOCKMAN NOTARY PUBLIC State of Texas Comm. Exp. 05-08-2015
Cl-502- 3/5/13	Chietophe 12. Bates 3/5/13
Christopher John Ellison Date	Christopher M. Bates Date *
On this that day of March , in the year of 2013, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same,	On this day of March, in the year of 2012 before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.
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TIAJUANA STOCKMAN NOTARY PUBLIC State of Texas Comm. Exp. 05-08-2015	TIAJUANA STOCKMAN NOTARY PUBLIC State of Texas Comm. Exp. 05-08-2015

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Takehiro Seshimo	Date	Julia Cushen	Date
On this		before me, the undersigned nota above-named ASSIGNOR, known of satisfactory evidence) to be the	ry public, personally appeared the wn to me (or proved to me on the basis are person whose name is subscribed to owledged that he/she executed the same
NOTARY PUBLIC		NOTARY PUBLIC	
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Logan J. Santos	Date	Leon Dean	Date
On this	, in the year of notary public, if ASSIGNOR, known to atisfactory evidence) to led to the within	On this day of before me, the undersigned notar above-named ASSIGNOR, know of satisfactory evidence) to be the	, in the year of, ry public, personally appeared the vn to me (or proved to me on the basis e person whose name is subscribed to wledged that he/she executed the same.
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SEAL,		SEAL	

- 3 -

Erica Rausch	Date
On this day of	
, before me, the undersig	gned notary public,
personally appeared the above-name (or proved to me on the basis be the person whose name is sub- instrument, and acknowledged the	of satisfactory evidence) to scribed to the within
NOTARY PUBLIC	

RECORDED: 03/14/2013

SEAL

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