### 502857747 06/18/2014

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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EPAS ID: PAT2904344

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
THOMAS MARTIN RAMSEIER	06/06/2014
HONGFAN JIN	06/09/2014
CHARLES H. SQUIRES	06/06/2014

#### **RECEIVING PARTY DATA**

Name:	DOW GLOBAL TECHNOLOGIES LLC
Street Address:	2040 DOW CENTER
City:	MIDLAND
State/Country:	MICHIGAN
Postal Code:	48674

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14071273

#### **CORRESPONDENCE DATA**

**Fax Number:** (858)350-2399

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:** 8583502300

Email: asgarcia@wsgr.com, patentdocket@wsgr.com
Correspondent Name: WILSON, SONSINI, GOODRICH, & ROSATI

Address Line 1: 650 PAGE MILL ROAD

Address Line 4: PALO ALTO, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER:	38194-708.301
NAME OF SUBMITTER:	ASHLEY GARCIA
SIGNATURE:	/ASHLEY GARCIA/
DATE SIGNED:	06/18/2014

#### **Total Attachments: 4**

source=38194-708.301 Executed Inventor Assignment to Dow#page1.tif source=38194-708.301 Executed Inventor Assignment to Dow#page2.tif source=38194-708.301 Executed Inventor Assignment to Dow#page3.tif source=38194-708.301 Executed Inventor Assignment to Dow#page4.tif

PATENT 502857747 REEL: 033132 FRAME: 0992

#### PATENT ASSIGNMENT

Docket Number 38194-708.301

WHEREAS, the undersigned:

- Thomas Martin Ramscier
   Ricker Terrace
   Newton, MA 02558
- Hongfün fin 11978 Cancridge Rd. San Diego, CA 92128
- Charles H. Squires
   15547 Hidden Valley Dr. Foway, CA 92064

(hereimafter "Inventor(s))," have invented certain new and useful improvements in

#### TITLE

	23	for which a United States patent application is executed on even date herewith;
		for which application serial number 14/071,273 was filed on November 4, 2013 in the United States Patent and Trademark
Office;		
	<b>(3)</b>	for which application serial number was fited on it in the U.S. Receiving Office of the Patent Cooperation Treaty;
		for which application serial number was filed on the many in the patent Office; and/or
	(2)	for which an application was filed upon which a United States Patent Issued on
		'Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the
above ass	dies	tion(s)

WHEREAS, <u>Daw Global Technologies LLC.</u>, a corporation of the State of <u>Delawars</u>, having a place of business at <u>2040 Dow Center.</u>
<u>Midland, ML48624</u>. (hereinafter "Assignee"), is desirous of ocquiring the entire right, title and interest in and to said Application(s), and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property. The Patent Cooperation Treaty or otherwise (hereinafter "Patent(s)").

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said inventor(s) to have been received in full from said Assignee:

- 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the emire right, title and interest (a) in and to said Inventions; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and(g) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assigner's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Patent(s).
- 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, ouths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reisauance of any said Patent(s); (c) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reisaues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- The terms and covenants of this assignment shall inure to the benefit of said Assignce, its successors, assigns and other legal representatives, and shall be binding upon said inventor(s), their respective beirs, legal representatives and assigns.
- 4. Said Inventor(s) hereby warram, represent and covenant that said Inventor(s) have not entered and will not emer into any assignment, contract, or understanding in conflict herewith.
- 5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.
- 6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

2872308\_1.DOC Page 1 of 1

PATENT ASSIGNMENT D	Docket Number 38194-708.301
DONE (16)14 THOMAS WANTS RAWERL DONE	onglin lin

2872308\_1.DOC Page 2 of 1

PATENT REEL: 033132 FRAME: 0994

	PATENT ASSIGNMENT		Docket Number 38194-708.301
WHEREAS, the undersigned:  1. Thomas Martin Ramseier 2. Hongfan Jin 3. Charles H. Squires 21 Ricker Terrace 11978 Caneridge Rd. 15547 Hidden Valley Dr., Newton, MA 02558 San Diego, CA 92128 Poway, CA 92064			
(hereinafter "Inventor(s))," have	e invented certain new and useful impro	vements in	
	3.3.8.8.3	£E	
for which a United States patent application is executed on even date herewith; for which application serial number 14/071,273 was filed on November 4, 2013 in the United States Patent and Trademark Office;			
for which applies for which an applies	ation serial number was filed on lication was filed upon which a United !	States Patent Issued on	ng Office of the Patent Cooperation Treaty; t Office; and/or , as U.S. Patent No nat share or claim priority to or from the
Midland, MI 48674, (hereinafte the inventions disclosed therein, or severally, by said Inventor(s) certificates and other forms of p	, and in and to all embodiments of the in thereinafter collectively referred to as ' wotection thereon granted in the United neluding those filed under the Paris Cou	the entire right, title and inventions, heretofore con- "Inventions"), and in and States, foreign countries,	interest in and to said Application(s), and ceived, made or discovered, whether jointly to any and all patents, inventor's or under any international convention,
NOW, THEREFORE received in full from said Assig	$\mathbb{S}_{i}$ in consideration of good and valuable nee:	consideration acknowled	lged by said Inventor(s) to have been
and to said Inventions; (b) in an each and every application that said Patent(s) and each and ever renewal or extension of any kin and corresponding to any of the rights to sue for and to receive a	id to said Applications, including the rig is a divisional, substitution, continuation ry patent issuing or reissuing from any of d of any of the foregoing; (f) in and to o	ght to claim priority to and on, or continuation-in-part of the foregoing; (e) in an each and every patent and for past, present and futur	gnee the entire right, title and interest (a) in d from said Application(s); (c) in and to of any of said Application(s); (d) in and to not to each and every reissue, reexamination, application filed outside the United States e infringement of the Patent(s), including all ost profits, royalties, and damages of
fullest extent the right, title and agreement, protocol, or treaty. giving of testimony, execution onecessary or desirable by said Amy applications covering said I said Inventions; (d) for filing arproceedings involving said Inventions; (e) protections inclusively contests, public use pro-	interest herein conveyed in the United Such cooperation by said Inventor(s) should be petitions, oaths, specifications, declar Assignee (a) for perfecting in said Assignee through for perfecting and prosecuting applications for reissuancentions; and (f) for legal proceedings in ding without limitation reissues and ree	States, foreign countries, nall include prompt produ- rations or other papers, at mee the right, title and int g substitute, divisional, or oe of any said Patent(s); ( volving said Inventions at examinations, opposition purt actions; provided, how	ection of pertinent facts and documents, and other assistance all to the extent deemed berest herein conveyed; (b) for prosecuting continuing or additional applications covering (c) for interference or other priority and any applications therefor and any
legal representatives, and shall	be binding upon said Inventor(s), their	respective heirs, legal rep	
	ntor(s) hereby warrant, represent and co derstanding in conflict herewith.	venant that said inventors	(s) have not entered and will not enter into
international convention, agrees	ntor(s) hereby request that any Patent(s) ment, protocol, or treaty, be issued in the legal representatives and assigns.	i issuing in the United Sta ie name of the Assignee, o	ites, foreign countries, or under any or its successors and assigns, for the sole use
to conflict of law principles. If effective and enforceable to the	ument will be interpreted and construed Tany provision of this instrument is four a greatest extent permitted by law. This which together constitute one and the sa	nd to be illegal or unenfor i instrument may be execu	aws of the State of California, without regard reeable, the other provisions shall remain uted in counterparts, each of which is
helow:			ent to said Assignee as of the dates written
Date:	p	Date: 6/9/2014	Hongfan Jin
The	enas Martin Ramseier		Hongfan Jin
FA . 4	arles H. Senines		

PATENT REEL: 033132 FRAME: 0995

# PATENT ASSIGNMENT

Docket Number 38194-708.301

WHEREAS, the undersigned:

Thomas Martin Ramseier
 Ricker Terrace
 Newton, MA 02558

Hongfan Jin
 11978 Caneridge Rd.
 San Diego, CA 92128

3. Charles H. Squires 15547 Hidden Valley Dr. Poway, CA 92064

(hereinafter "Inventor(s))," have invented certain new and useful improvements in
TIPLE
for which a United States patent application is executed on even date herewith:  for which application serial number 14/071,273 was filed on November 4, 2013 in the United States Patent and Trademark Office;
for which application serial number was filed on in the U.S. Receiving Office of the Patent Cooperation Treaty;  for which application serial number was filed on in the Patent Office; and/or for which an application was filed upon which a United States Patent issued on, as U.S. Patent No (hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).
WHEREAS, Dow Global Technologies LLC, a corporation of the State of Delaware, having a place of business at 2040 Dow Center.  Midland, MI 48674, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s), and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise (hereinafter "Patent(s)").
NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:
1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and(g) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Patent(s).
Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
4. Said Inventor(s) hereby warrant, represent and covenant that said Inventor(s) have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.
6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.
IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:
Date: Date:
Thomas Martin Ramseier Hongfan Jin  Date: Charles H. Squires

PATENT REEL: 033132 FRAME: 0996

**RECORDED: 06/18/2014**