## 503597399 12/04/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3644029

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
SHANTHAKUMAR R. TYAVANAGIMATT	03/14/2011
MELIALANI A.C.L.S. ANDERSON	03/14/2011
WILLIAM C. WEIMERS	03/15/2011
DYLAN NELSON	03/15/2011
TOVE' C. BOLKEN	03/21/2011
DENNIS E. HRUBY	03/15/2011
GARY SWEETAPPLE	05/22/2011
MICHAEL H. O'NEILL	03/18/2011
KELLEY A. MCCLOUGHAN	03/15/2011

### **RECEIVING PARTY DATA**

Name:	SIGA TECHNOLOGIES, INC.
Street Address:	4575 SW RESEARCH WAY
Internal Address:	SUITE 230
City:	CORVALLIS
State/Country:	OREGON
Postal Code:	97333

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14959180

### **CORRESPONDENCE DATA**

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.

Email: tlegasto@ostrolenk.com
Correspondent Name: OSTROLENK FABER LLP

Address Line 1: 1180 AVENUE OF THE AMERICAS Address Line 4: NEW YORK, NEW YORK 10036

ATTORNEY DOCKET NUMBER:	56440-2440
NAME OF SUBMITTER:	CHARLES C. ACHKAR, REG NO. 43.311

PATENT 503597399 REEL: 037214 FRAME: 0840

SIGNATURE:	/CHARLES C. ACHKAR/
DATE SIGNED:	12/04/2015
Total Attachments: 11	
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PATENT REEL: 037214 FRAME: 0841

#### **ASSIGNMENT**

WHEREAS we, Shanthakumar R. Tyavanagimatt, a citizen of India, residing at 1607 SW 49th Street, Apt. 21, Corvallis, OR 97333; Melialani A.C.L Stone, a citizen of the United States of America, residing at 2788 SW Pickford Street #107, Corvallis, OR 97333; William C. Weimers, a citizen of the United States of America, residing at 1351 NW Dixon Street, Corvallis, OR 97330; Dylan Nelson, a citizen of the United States of America, residing at 14535 SE Grant Street, Portland, OR 97233; Tove' C. Bolken, a citizen of the Untied States of America, residing at 1120 N. Rafael Avenue, Keizer, OR 97303; and Dennis E. HRUBY, a citizen of the United States of America, residing at 376 Water Avenue NE, Albany, OR 97321; (hereinafter referred to as the "ASSIGNORS"), have invented certain new and useful improvements in Polymorphic Forms of ST-246 and Methods of Preparation for which an application for United States Letters Patent has been executed by us of even date herewith; and whereas SIGA TECHNOLOGIES, INC., having an office and principal place of business at 4575 SW Research Way, Suite 230, Corvallis, OR 97333 (hereinafter referred to as the "ASSIGNEE"), is desirous of obtaining the entire right, title and interest in, to and under the improvements and the application;

NOW, THEREFORE, for good and valuable consideration paid by ASSIGNEE to ASSIGNORS, the receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto ASSIGNEE, it's successors, legal representatives and assigns, the entire right, title and interest in, to and under the improvements, and the application and all divisions, renewals, substitutes and continuations thereof, and all Letters Patent of the United States that may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent and any legal equivalent thereof, including the right to claim priority, that have been or may hereafter be filed for the improvements in any country or countries foreign to the United States, and all Letters Patent and any legal equivalent thereof that may be granted for the improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, the same to be held and enjoyed by ASSIGNEE for it's own use and benefit and for the use and benefit of it's successors, assigns or other legal representatives fully and entirely as if the same would have been held and enjoyed by ASSIGNORS if this Assignment had not been made, to the end of the term or terms for which any Letters Patent and any legal equivalent thereof may be granted;

AND ASSIGNORS HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to record this Assignment, and to issue all Letters Patent for the improvements to ASSIGNEE, it's successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND ASSIGNORS HEREBY covenant that ASSIGNORS have the full right to convey the entire interest herein assigned, and that ASSIGNORS have not executed, and will not execute, any agreement, assignment, sale or encumbrance in conflict herewith.

AND ASSIGNORS HEREBY further covenant and agree that ASSIGNORS will communicate to ASSIGNEE, it's successors, legal representatives and assigns, any facts known to ASSIGNORS respecting the improvements, and will testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and

generally do everything possible to aid ASSIGNEE, it's successors, legal representatives and assigns, to obtain and enforce proper patent protection for the improvements in all countries.

IN TESTIMONY WHEREOF, ASSIGNORS have set their hands and seal to this Assignment. Mar 14, 2011

Date Shanthakumar R. Tyavanagimatt STATE OF OVEGON
COUNTY OF Benton On this K day of March, 2011, before me appeared Shanthakumar R. Tyavanagimatt to me personally known, who being by me duly sworn did say that he/she is the ASSIGNOR named in the foregoing instrument of Assignment and he signed this instrument of Assignment in my presence. OFFICIAL SEAL **MELISSA RENEE LEHEW** NOTARY PUBLIC - OREGON COMMISSION NO. 446980 **COMMISSION EXPIRES FEBRUARY 28, 2014** STATE OF OYEGON COUNTY OF BENTON On this 15 day of Wach, 20 1 before me appeared Melialani A.C.L Stone to me personally known, who being by me duly sworn did say that he/she is the ASSIGNOR named in the foregoing instrument of Assignment and he signed this instrument of Assignment in my presence. OFFICIAL SEAL **MELISSA RENEE LEHEW** NOTARY PUBLIC - OREGON

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COMMISSION NO. 446980 MY COMMISSION EXPIRES FEBRUARY 28, 2014

William C. Weimers	15- March - 2011 Date
STATE OF Oregon COUNTY OF BENTON	) ) ss.: )
personally known, who being by	980 3 VI VI D 11
Dylan Nelson	Date
STATE OF	) ) ss.: )
known, who being by me duly sw	, 20, before me appeared <b>Dylan Nelson</b> to me personally orn did say that he/she is the ASSIGNOR named in the foregoing signed this instrument of Assignment in my presence.
	Notary Public

William C. Weimers	Date
STATE OF	) ) ss.:
COUNTY OF	) 33
On this day of personally known, who being by n foregoing instrument of Assignme	, 20, before me appeared William C. Weimers to me ne duly sworn did say that he/she is the ASSIGNOR named in the nt and he signed this instrument of Assignment in my presence.
	Notary Public
Dylan Nelson	3/15/11 Date
STATE OF Oregon COUNTY OF Multnomah	) ) ss.: )
known, who being by me duly swo	7, 2011, before me appeared <b>Dylan Nelson</b> to me personally orn did say that he/she is the ASSIGNOR named in the foregoing igned this instrument of Assignment in my presence.
OFFICIAL SEAL HEATHER D PARMAN NOTARY PUBLIC OREGON COMMISSION NO. 446821 MY COMMISSION EXPIRES FEBRUARY 21, 2014	Hotary Public Parmoon

Tove' C. Bolken	21 WAR 2011 Date
STATE OF	) ) ss.:
COUNTY OF	)
known, who being by me duly swor	, 2011, before me appeared <b>Tove' C. Bolken</b> to me personally in did say that he/she is the ASSIGNOR named in the foregoing gned this instrument of Assignment in my presence.
OFFICIAL SEAL MELISSA RENEE LEHEW NOTARY PUBLIC - OREGON COMMISSION NO. 446980 MY COMMISSION EXPIRES FEBRUARY 28, 201	Notary Public
Dennis E. Hruby	15 May 2011 Date
STATE OF OVE GON COUNTY OF BENTON	) ) ss.: )
known, who being by me duly sworn	, 20_11, before me appeared <b>Dennis E. Hruby</b> to me personally n did say that he/she is the ASSIGNOR named in the foregoing gned this instrument of Assignment in my presence.
OFFICIAL SEAL  MELISSA RENEE LEHEW  NOTARY PUBLIC - OREGON COMMISSION NO. 448980 MY COMMISSION EXPIRES FEBRUARY 28, 20	Notary Public  4

KL3 2820247.1

PATENT REEL: 037214 FRAME: 0846

#### ASSIGNMENT

WHEREAS we, Michael H. O'Neill, a citizen of the United States of America, residing at 1477 Greenfield Lane, Painesville, OH 44077; and Gary Sweetapple, a citizen of the United States of America, residing at 14495 Baker Road, Madison, OH 44057; (hereinafter referred to as the "ASSIGNORS"), have invented certain new and useful improvements in Polymorphic Forms of ST-246 and Methods of Preparation for which an application for United States Letters Patent has been executed by us of even date herewith; and whereas SIGA TECHNOLOGIES, INC., having an office and principal place of business at 4575 SW Research Way, Suite 230, Corvallis, OR 97333 (hereinafter referred to as the "ASSIGNEE"), is desirous of obtaining the entire right, title and interest in, to and under the improvements and the application;

NOW, THEREFORE, for good and valuable consideration paid by ASSIGNEE to ASSIGNORS, the receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto ASSIGNEE, it's successors, legal representatives and assigns, the entire right, title and interest in, to and under the improvements, and the application and all divisions, renewals, substitutes and continuations thereof, and all Letters Patent of the United States that may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent and any legal equivalent thereof, including the right to claim priority, that have been or may hereafter be filed for the improvements in any country or countries foreign to the United States, and all Letters Patent and any legal equivalent thereof that may be granted for the improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, the same to be held and enjoyed by ASSIGNEE for it's own use and benefit and for the use and benefit of it's successors, assigns or other legal representatives fully and entirely as if the same would have been held and enjoyed by ASSIGNORS if this Assignment had not been made, to the end of the term or terms for which any Letters Patent and any legal equivalent thereof may be granted;

AND ASSIGNORS HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to record this Assignment, and to issue all Letters Patent for the improvements to ASSIGNEE, it's successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND ASSIGNORS HEREBY covenant that ASSIGNORS have the full right to convey the entire interest herein assigned, and that ASSIGNORS have not executed, and will not execute, any agreement, assignment, sale or encumbrance in conflict herewith.

AND ASSIGNORS HEREBY further covenant and agree that ASSIGNORS will communicate to ASSIGNEE, it's successors, legal representatives and assigns, any facts known to ASSIGNORS respecting the improvements, and will testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE, it's successors, legal representatives and assigns, to obtain and enforce proper patent protection for the improvements in all countries.

1

IN TESTIMONY WHEREOF, ASSIGNORS have set their hands and seal to this Assignment.

Gary Sweetapple	5-22-23\\ Date		
Gary Sweetappie	Date		
STATE OF	) ) ss.:		
COUNTY OF			
known, who being by me duly sworr instrument of Assignment and he sig	, 20 //, before me appeared Gary Sweetapple to me personally a did say that he/she is the ASSIGNOR named in the foregoing med this instrument of Assignment in my presence.  CARLEEN C. MURPHY NOTARY PUBLIC STATE OF OHIO Recorded in Lake County My Comm. Exp. 3/21/14		
Michael H. O'Neill	Date		
STATE OF	) ) ss.:		
COUNTY OF	)		
personally known, who being by me	_, 20, before me appeared <b>Michael H. O'Neill</b> to me duly sworn did say that he/she is the ASSIGNOR named in the and he signed this instrument of Assignment in my presence.		
	Notary Public		

2

#### ASSIGNMENT

WHEREAS we, Michael H. O'Neill, a citizen of the United States of America, residing at 1477 Greenfield Lane, Painesville, OH 44077; and Gary Sweetapple, a citizen of the United States of America, residing at 14495 Baker Road, Madison, OH 44057; (hereinafter referred to as the "ASSIGNORS"), have invented certain new and useful improvements in Polymorphic Forms of ST-246 and Methods of Preparation for which an application for United States Letters Patent has been executed by us of even date herewith; and whereas SIGA TECHNOLOGIES, INC., having an office and principal place of business at 4575 SW Research Way, Suite 230, Corvallis, OR 97333 (hereinafter referred to as the "ASSIGNEE"), is desirous of obtaining the entire right, title and interest in, to and under the improvements and the application;

NOW, THEREFORE, for good and valuable consideration paid by ASSIGNEE to ASSIGNORS, the receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto ASSIGNEE, it's successors, legal representatives and assigns, the entire right, title and interest in, to and under the improvements, and the application and all divisions, renewals, substitutes and continuations thereof, and all Letters Patent of the United States that may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent and any legal equivalent thereof, including the right to claim priority, that have been or may hereafter be filed for the improvements in any country or countries foreign to the United States, and all Letters Patent and any legal equivalent thereof that may be granted for the improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, the same to be held and enjoyed by ASSIGNEE for it's own use and benefit and for the use and benefit of it's successors, assigns or other legal representatives fully and entirely as if the same would have been held and enjoyed by ASSIGNORS if this Assignment had not been made, to the end of the term or terms for which any Letters Patent and any legal equivalent thereof may be granted;

AND ASSIGNORS HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to record this Assignment, and to issue all Letters Patent for the improvements to ASSIGNEE, it's successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND ASSIGNORS HEREBY covenant that ASSIGNORS have the full right to convey the entire interest herein assigned, and that ASSIGNORS have not executed, and will not execute, any agreement, assignment, sale or encumbrance in conflict herewith.

AND ASSIGNORS HEREBY further covenant and agree that ASSIGNORS will communicate to ASSIGNEE, it's successors, legal representatives and assigns, any facts known to ASSIGNORS respecting the improvements, and will testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE, it's successors, legal representatives and assigns, to obtain and enforce proper patent protection for the improvements in all countries.

1

IN TESTIMONY WHEREOF, ASSIGNORS have set their hands and seal to this Assignment.

Gary Sweetapple		Date	
STATE OF	)		
COUNTY OF	) ss.: )		
known, who being by me do	aly sworn did say tha	Fore me appeared <b>Gary Sweetapple</b> to me per at he/she is the ASSIGNOR named in the fore trument of Assignment in my presence.	sonall; going
	No	tary Public	
Mar		3-18-11	
Michael H. O'Neill		Date	
STATE OF	) ) ss.:		
COUNTY OF	)		
On this /8 // day of // personally known, who being foregoing instrument of Ass	March, 2011, before by me duly sworn ignment and he sign	fore me appeared Michael H. O'Neill to me did say that he/she is the ASSIGNOR named ed this instrument of Assignment in my presentation.	l in the ence.
foregoing instrument of Ass		ed this instrument of Assignment in my pro	280

CARLEEN C. MURPHY
NOTARY PUBLIC
STATE OF OHIO
Recorded in
Lake County
My Comm. Exp. 3/21/14

Notary Public

#### ASSIGNMENT

WHEREAS I, Kelley A. McCloughan, a citizen of the United States of America, residing at 74179 Lambert Drive, South Haven, MI 49090, (hereinafter referred to as the "ASSIGNORS"), has invented certain new and useful improvements in Polymorphic Forms of ST-246 and Methods of Preparation for which an application for United States Letters Patent has been executed by us of even date herewith; and whereas SIGA TECHNOLOGIES, INC., having an office and principal place of business at 4575 SW Research Way, Suite 230, Corvallis, OR 97333 (hereinafter referred to as the "ASSIGNEE"), is desirous of obtaining the entire right, title and interest in, to and under the improvements and the application;

NOW, THEREFORE, for good and valuable consideration paid by ASSIGNEE to ASSIGNOR, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sells, assigns, transfers and sets over, unto ASSIGNEE, it's successors, legal representatives and assigns, the entire right, title and interest in, to and under the improvements, and the application and all divisions, renewals, substitutes and continuations thereof, and all Letters Patent of the United States that may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent and any legal equivalent thereof, including the right to claim priority, that have been or may hereafter be filed for the improvements in any country or countries foreign to the United States, and all Letters Patent and any legal equivalent thereof that may be granted for the improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, the same to be held and enjoyed by ASSIGNEE for it's own use and benefit and for the use and benefit of it's successors, assigns or other legal representatives fully and entirely as if the same would have been held and enjoyed by ASSIGNOR if this Assignment had not been made, to the end of the term or terms for which any Letters Patent and any legal equivalent thereof may be granted;

AND ASSIGNOR HEREBY authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to record this Assignment, and to issue all Letters Patent for the improvements to ASSIGNEE, it's successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND ASSIGNOR HEREBY covenants that ASSIGNOR has the full right to convey the entire interest herein assigned, and that ASSIGNOR has not executed, and will not execute, any agreement, assignment, sale or encumbrance in conflict herewith.

AND ASSIGNOR HEREBY further covenants and agrees that ASSIGNOR will communicate to ASSIGNEE, it's successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the improvements, and will testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE, it's successors, legal representatives and assigns, to obtain and enforce proper patent protection for the improvements in all countries.

IN TESTIMONY WHEREOF, ASSIGNOR has set their hands and seal to this Assignment.

) ss.:

STATE OF Michegon COUNTY OF Van Buren

On this 15th day of Work, 2011, before me appeared Kelley A. McCloughan to me personally known, who being by me duly sworn did say that he/she is the ASSIGNOR named in the foregoing instrument of Assignment and he signed this instrument of Assignment in my presence.

Name:

LINDA RENEE RADTKE NOTARY PUBLIC, STATE OF MI MY COMMISSION EXPIRES AP 15, 2016 16 ACTING IN COUNTY OF VAN BUYEN.