

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3250336

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
ROBERT JANSEN	11/24/2014
CLAIRE GREGOIRE	01/23/2015
PHILIP TRAVISANO	11/24/2014
LEE MADSEN	04/29/2014
NETA MATIS	11/17/2014
Yael HAR-TAL	12/14/2014
SHAY ELIAHU	11/19/2014
JAMES ALAN LAWSON	11/23/2014
NOA LAPIDOT	11/16/2014
AHARON M. EYAL	02/02/2015
TIMOTHY ALLEN BAUER	12/09/2014
PAUL MCWILLIAMS	11/18/2014
MICHAEL ZVIELY	11/13/2014
ADAM CARDEN	11/24/2014

**RECEIVING PARTY DATA**

<b>Name:</b>	VIRDIA, INC.
<b>Street Address:</b>	228 SLAYTON AVENUE
<b>City:</b>	DANVILLE
<b>State/Country:</b>	VIRGINIA
<b>Postal Code:</b>	24540

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14537494

**CORRESPONDENCE DATA**

Fax Number: (650)493-6811

*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: 650-461-5211

Email: cricks@wsgr.com

**Correspondent Name:** CHRISTINE RICKS  
**Address Line 1:** 650 PAGE MILL ROAD  
**Address Line 4:** PALO ALTO, CALIFORNIA 94304-1050

**ATTORNEY DOCKET NUMBER:** 39317-744.302

**NAME OF SUBMITTER:** CHRISTINE RICKS

**SIGNATURE:** /Christine Ricks/

**DATE SIGNED:** 03/04/2015

**Total Attachments: 29**

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PATENT ASSIGNMENT

Docket Number 39317-744.831

WHEREAS, the undersigned:

1. JANSEN, Robert Redwood City, CA (U.S.)	2. GREGOIRE, Claire Verrieres le Buisson, France	3. TRAVISANO, Philip Danville, VA (U.S.)	4. MADSEN, Lee Danville, VA (U.S.)
5. MATIS, Neta Hod Hasharon, Israel	6. HAR-TAL, Yael Herzliya, Israel	7. ELIAHU, Shay Ramat Efal, Israel	8. LAWSON, James Alan Ellsworth, Maine (U.S.)
9. LAPIDOT, Noa Mevaseret Zion, Israel	10. BURKE, Luke Rochelle, Illinois (U.S.)	11. EYAL, Aharon M. Jerusalem, Israel	12. BAUER, Timothy Allen Belleville, Illinois (U.S.)
13. SADE, Hagit Ramat Gan, Israel	14. MCWILLIAMS, Paul Racine, Wisconsin (U.S.)	15. BELMAN, Ziv-Vladimir Kiryat-yam, Israel	16. HALLAC, Bassem Jerusalem, Israel
17. ZVIELY, Michael Haifa, Israel	18. GERSHINSKY, Yelena Petach Tikva, Israel	19. CARDEN, Adam Henderson, North Carolina (U.S.)	

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

**METHODS FOR TREATING LIGNOCELLULOSIC MATERIALS**

for which Application No. 14/398,444 was submitted on October 31, 2014 to the USPTO as a National Phase entry of an international application filed on May 3, 2013 (hereinafter "Application(s)").

WHEREAS, Viridia, Inc., a corporation of the state of Delaware, having a place of business at 303, Twin Dolphin Drive, Suite 600, Redwood City, CA 94065, (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 (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

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 and said Applications, including the right to claim priority to said Inventions and said Applications; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said 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, 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 the expense 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 and represent that they 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: \_\_\_\_\_ Robert Jansen  
 Date: 23/01/2015 Claire Gregoire  
 Date: \_\_\_\_\_ Philip Travisano  
 Date: \_\_\_\_\_ Lee Madsen

PATENT ASSIGNMENT		Docket Number 39317-744.831	
Date: _____	Neta Matis	Date: _____	Yael Har-Tal
Date: _____	Shay Eliahu	Date: _____	James Alan Lawson
Date: _____	Noa Lapidot	Date: _____	Luke Burke
Date: _____	Aharon M. Eyal	Date: _____	Timothy Allen Bauer
Date: _____	Hagit Sade	Date: _____	Paul McWilliams
Date: _____	Ziv-Vladimir Belman	Date: _____	Bassem Hallac
Date: _____	Michael Zviely	Date: _____	Yelena Gershinsky
Date: _____	Adam Carden		

**PATENT ASSIGNMENT**

Docket Number 39317-744.831

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9. LAPIDOT, Noa Mevaseret Zion, Israel	10. BURKE, Luke Rochelle, Illinois (U.S.)	11. EYAL, Aharon M. Jerusalem, Israel	12. BAUER, Timothy Allen Belleville, Illinois (U.S.)
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(hereinafter "Inventor(s)"), have invented certain new and useful improvements in

**METHODS FOR TREATING LIGNOCELLULOSIC MATERIALS**

for which Application No. 14/398,444 was submitted on October 31, 2014 to the USPTO as a National Phase entry of an international application filed on May 3, 2013 (hereinafter "Application(s)").

WHEREAS, Virdia, Inc., a corporation of the state of Delaware, having a place of business at 303, Twin Dolphin Drive, Suite 600, Redwood City, CA 94065, (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 (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

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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, 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 the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

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

Date: _____	_____	Date: _____	_____
	Robert Jansen		Claire Gregoire
Date: _____	_____	Date: _____	_____
	Philip Travisano		Lee Madsen

PATENT ASSIGNMENT

Docket Number 39317-744.831

Date: _____	_____	Date: _____	_____
	Neta Matis		Yael Har-Tal
Date: _____	_____	Date: _____	_____
	Shay Eliahu		James Alan Lawson
Date: _____	_____	Date: _____	_____
	Noa Lapidot		Luke Burke
Date: <u>02-02-2011</u>	<u>A. M. Eyal</u>	Date: _____	_____
	Aharon M. Eyal		Timothy Allen Bauer
Date: _____	_____	Date: _____	_____
	Hagit Sade		Paul McWilliams
Date: _____	_____	Date: _____	_____
	Ziv-Vladimir Belman		Bassem Hallac
Date: _____	_____	Date: _____	_____
	Michael Zviely		Yelena Gershinsky
Date: _____	_____		
	Adam Carden		

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Date: _____	Robert Jansen	Date: _____	Claire Gregoire
Date: _____	Philip Travisano	Date: _____	Lee Madsen

PATENT ASSIGNMENT		Docket Number 39317-744.831
Date: <u>12/11/14</u>	<u>Neta Matis</u>	Date: _____ Yael Har-Tal
Date: <u>14/11/14</u>	<u>Shay Eliahu</u>	Date: _____ James Alan Lawson
Date: <u>6 Nov 14</u>	<u>Noa Lapidot</u>	Date: _____ Luke Burke
Date: _____	<u>Aharon M. Eyal</u>	Date: _____ Timothy Allen Bauer
Date: _____	<u>Hagit Sade</u>	Date: _____ Paul McWilliams
Date: _____	<u>Ziv-Vladimir Belman</u>	Date: <u>16.11.14</u> <u>Rassem Hallac</u>
Date: <u>13/11/2014</u>	<u>Michael Zviely</u>	Date: _____ Yelena Gershinsky
Date: _____	<u>Adam Carden</u>	



**PATENT ASSIGNMENT**

Docket Number 39317-744.831

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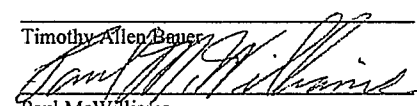
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Date: _____	Aharon M. Eyal	Date: _____	Timothy Allen Bauer
Date: _____	Hagit Sade	Date: 11/18/14	 Paul McWilliams
Date: _____	Ziv-Vladimir Belman	Date: _____	Bassem Hallac
Date: _____	Michael Zviely	Date: _____	Yelena Gershinsky
Date: _____	Adam Carden		

PATENT ASSIGNMENT

Docket Number 39317-744.831

WHEREAS, the undersigned:

1. JANSEN, Robert Redwood City, CA (U.S.)	2. GREGOIRE, Claire Verrieres le Buisson, France	3. TRAVISANO, Philip Danville, VA (U.S.)	4. MADSEN, Lee Danville, VA (U.S.)
5. MATIS, Neta Hod Hasharon, Israel	6. HAR-TAL, Yael Herzliya, Israel	7. ELIAHU, Shay Ramat Efal, Israel	8. LAWSON, James Alan Ellsworth, Maine (U.S.)
9. LAPIDOT, Noa Mevaseret Zion, Israel	10. BURKE, Luke Rochelle, Illinois (U.S.)	11. EYAL, Aharon M. Jerusalem, Israel	12. BAUER, Timothy Allen Belleville, Illinois (U.S.)
13. SADE, Hagit Ramat Gan, Israel	14. MCWILLIAMS, Paul Racine, Wisconsin (U.S.)	15. BELMAN, Ziv-Vladimir Kiryat-yam, Israel	16. HALLAC, Bassem Jerusalem, Israel
17. ZVIELY, Michael Haifa, Israel	18. GERSHINSKY, Yelena Petach Tikva, Israel	19. CARDEN, Adam Henderson, North Carolina (U.S.)	

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

METHODS FOR TREATING LIGNOCELLULOSIC MATERIALS

for which Application No. 14/398,444 was submitted on October 31, 2014 to the USPTO as a National Phase entry of an international application filed on May 3, 2013 (hereinafter "Application(s)").

WHEREAS, Virdia, Inc., a corporation of the state of Delaware, having a place of business at 303, Twin Dolphin Drive, Suite 600, Redwood City, CA 94065, (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 (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

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 and said Applications, including the right to claim priority to said Inventions and said Applications; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said 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, 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 the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

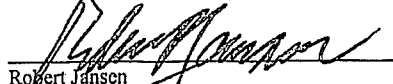
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

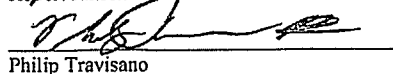
4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

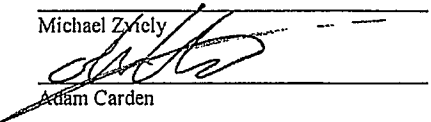
5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal 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: 24 NOV 14  Date: \_\_\_\_\_  
 Robert Jansen Claire Gregoire

Date: 11/24/14  Date: \_\_\_\_\_  
 Philip Travisano Lee Madsen

PATENT ASSIGNMENT		Docket Number 39317-744.831	
Date: _____	Neta Matis	Date: _____	Yael Har-Tal
Date: _____	Shay Eliahu	Date: _____	James Alan Lawson
Date: _____	Noa Lapidot	Date: _____	Luke Burke
Date: _____	Aharon M. Eyal	Date: _____	Timothy Allen Bauer
Date: _____	Hagit Sade	Date: _____	Paul McWilliams
Date: _____	Ziv-Vladimir Belman	Date: _____	Bassem Hallac
Date: _____	Michael Zviely	Date: _____	Yelena Gershinsky
Date: <u>11/29/2014</u>	 Adam Carden		

PATENT ASSIGNMENT

Docket Number 39317-744.831

WHEREAS, the undersigned:

1. JANSEN, Robert Redwood City, CA (U.S.)	2. GREGOIRE, Claire Verrieres le Buisson, France	3. TRAVISANO, Philip Danville, VA (U.S.)	4. MADSEN, Lee Danville, VA (U.S.)
5. MATIS, Neta Hod Hasharon, Israel	6. HAR-TAL, Yael Herzliya, Israel	7. ELIAHU, Shay Ramat Efal, Israel	8. LAWSON, James Alan Ellsworth, Maine (U.S.)
9. LAPIDOT, Noa Mevaseret Zion, Israel	10. BURKE, Luke Rochelle, Illinois (U.S.)	11. EYAL, Aharon M. Jerusalem, Israel	12. BAUER, Timothy Allen Belleville, Illinois (U.S.)
13. SADE, Hagit Ramat Gan, Israel	14. MCWILLIAMS, Paul Racine, Wisconsin (U.S.)	15. BELMAN, Ziv-Vladimir Kiryat-yam, Israel	16. HALLAC, Bassem Jerusalem, Israel
17. ZVIELY, Michael Haifa, Israel	18. GERSHINSKY, Yelena Petach Tikva, Israel	19. CARDEN, Adam Henderson, North Carolina (U.S.)	

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

**METHODS FOR TREATING LIGNOCELLULOSIC MATERIALS**

for which Application No. 14/398,444 was submitted on October 31, 2014 to the USPTO as a National Phase entry of an international application filed on May 3, 2013 (hereinafter "Application(s)").

WHEREAS, Viridia, Inc., a corporation of the state of Delaware, having a place of business at 303, Twin Dolphin Drive, Suite 600, Redwood City, CA 94065, (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 (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

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 and said Applications, including the right to claim priority to said Inventions and said Applications; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said 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, 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 the expense 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 and represent that they 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: _____ Robert Jansen	Date: _____ Claire Gregoire
Date: _____ Philip Travisano	Date: _____ Lee Madsen

PATENT ASSIGNMENT		Docket Number 39317-744.831	
Date: _____	Neta Mafis	Date: _____	Yael Har-Tal
Date: _____	Shay Eliahu	Date: _____	James Alan Lawson
Date: _____	Noa Lapidot	Date: _____	Luke Burke
Date: _____	Aharon M. Eyal	Date: <u>12/9/14</u>	<i>note all Bauer</i> Timothy Allen Bauer
Date: _____	Hagit Sade	Date: _____	Paul McWilliams
Date: _____	Ziv-Vladimir Belman	Date: _____	Bassem Hallac
Date: _____	Michael Zviely	Date: _____	Yelena Gershinsky
Date: _____	Adam Carden		

WHEREAS, the undersigned:

1. JANSEN, Robert Redwood City, CA (U.S.)	2. GREGOIRE, Claire Verrieres le Buisson, France	3. TRAVISANO, Philip Danville, VA (U.S.)	4. MADSEN, Lee Danville, VA (U.S.)
5. MATIS, Neta Hod Hasharon, Israel	6. HAR-TAL, Yael Herzliya, Israel	7. ELIAHU, Shay Ramat Efal, Israel	8. LAWSON, James Ahn Ellsworth, Maine (U.S.)
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(hereinafter "Inventor(s)), have invented certain new and useful improvements in

**METHODS FOR TREATING LIGNOCELLULOSIC MATERIALS**

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WHEREAS, Viridia, Inc., a corporation of the state of Delaware, having a place of business at 303, Twin Dolphin Drive, Suite 600, Redwood City, CA 94065 (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 (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

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

Date: _____	Robert Jansen	Date: _____	Claire Gregoire
Date: _____	Philip Travisano	Date: _____	Lee Madsen

PATENT ASSIGNMENT		Docket Number 39317-744 831	
Date: _____	Neta Mats	Date: <u>11.12.14</u>	<del>Yael Hur-Tal</del>
Date: _____	Shay Ehahu	Date: _____	James Alan Lawson
Date: _____	Noa Lapidot	Date: _____	Luke Burke
Date: _____	Aharon M. Eyal	Date: _____	Timothy Allen Bauer
Date: _____	Hagit Sade	Date: _____	Paul McWilliams
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Date: _____	Adam Carden		



WHEREAS, the undersigned:

1. JANSEN, Robert Redwood City, CA (U.S.)	2. GREGOIRE, Claire Verrieres le Buisson, France	3. TRAVISANO, Philip Danville, VA (U.S.)	4. MADSEN, Lee Danville, VA (U.S.)
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(hereinafter "Inventor(s)"), have invented certain new and useful improvements in

**METHODS FOR TREATING LIGNOCELLULOSIC MATERIALS**

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WHEREAS, Yirdia, Inc., a corporation of the state of Delaware, having a place of business at 303, Twin Dolphin Drive, Suite 600, Redwood City, CA 94065, (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 (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

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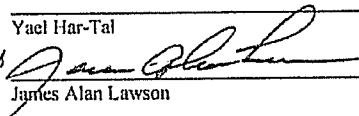
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IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date: _____	_____	Date: _____	_____
	Robert Jansen		Claire Gregoire
Date: _____	_____	Date: _____	_____
	Philip Travisano		Lee Madsen

PATENT ASSIGNMENT		Docket Number 39317-744.831	
Date: _____	Neta Matis	Date: _____	Yael Har-Tal
Date: _____	Shay Eliahu	Date: <u>11-23-2014</u>	 James Alan Lawson
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Date: _____	Hagit Sade	Date: _____	Paul McWilliams
Date: _____	Ziv-Vladimir Belman	Date: _____	Bassem Hallac
Date: _____	Michael Zviely	Date: _____	Yelena Gershinsky
Date: _____	Adam Carden		

**HCL CLEANTECH, INC.**  
**AT-WILL EMPLOYMENT, CONFIDENTIAL INFORMATION,**  
**INVENTION ASSIGNMENT, NON-COMPETITION, AND ARBITRATION AGREEMENT**

As a condition of my employment with HCL CleanTech, Inc., its subsidiaries, affiliates, successors or assigns (together, the "Company"), and in consideration of my employment with the Company and my receipt of the compensation now and hereafter paid to me by Company, I agree to the following provisions of this HCL CleanTech, Inc. At-Will Employment, Confidential Information, Invention Assignment, Non-Competition, and Arbitration Agreement (this "Agreement"):

1. **AT-WILL EMPLOYMENT**

Redacted

2. **CONFIDENTIALITY**

Redacted

Redacted

3. OWNERSHIP

A. *Assignment of Inventions.* As between the Company and myself, I agree that all right, title, and interest in and to any and all copyrightable material, notes, records, drawings, designs, inventions, improvements, developments, discoveries and trade secrets conceived, discovered, authored, invented, developed or reduced to practice by me, solely or in collaboration with others, during the period of time I am in the employ of the Company (including during my off-duty hours), or with the use of Company's equipment, supplies, facilities, or Company Confidential Information, and any copyrights, patents, trade secrets, mask work rights or other intellectual property rights relating to the foregoing (collectively, "**Inventions**"), are the sole property of HCL CleanTech, Inc. I also agree to promptly make full written disclosure to HCL CleanTech, Inc. of any Inventions, and to deliver and assign and hereby irrevocably assign fully to HCL CleanTech, Inc. all of my right, title and interest in and to Inventions. I

agree that this assignment includes a present conveyance to HCL CleanTech, Inc. of ownership of Inventions that are not yet in existence. I further acknowledge that all original works of authorship that are made by me (solely or jointly with others) within the scope of and during the period of my employment with the Company and that are protectable by copyright are "works made for hire," as that term is defined in the United States Copyright Act. I understand and agree that the decision whether or not to commercialize or market any Inventions is within the Company's sole discretion and for the Company's sole benefit, and that no royalty or other consideration will be due to me as a result of the Company's efforts to commercialize or market any such Inventions.

Redacted

Redacted

4. CONFLICTING OBLIGATIONS

Redacted

5. COVENANT NOT TO COMPETE

Redacted

Redacted

Redacted

6. RETURN OF COMPANY MATERIALS

Redacted

7. TERMINATION CERTIFICATION

Redacted

8. NOTIFICATION OF NEW EMPLOYER

Redacted



9. CONFLICT OF INTEREST GUIDELINES

Redacted

10. REPRESENTATIONS

Redacted

11. AUDIT

Redacted

12. ARBITRATION AND EQUITABLE RELIEF

Redacted

Redacted

Redacted

13. MISCELLANEOUS

Redacted

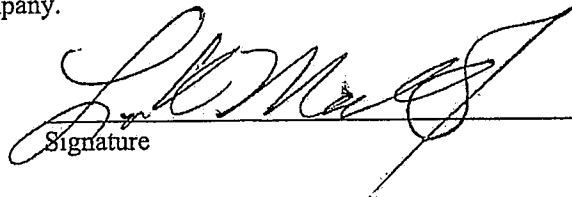
B. *Assignability*. This Agreement will be binding upon my heirs, executors, assigns, administrators, and other legal representatives, and will be for the benefit of the Company, its successors, and its assigns. There are no intended third-party beneficiaries to this Agreement, except as may be

expressly otherwise stated. Notwithstanding anything to the contrary herein, HCL CleanTech, Inc. may assign this Agreement and its rights and obligations under this Agreement to any successor to all or substantially all of HCL CleanTech, Inc.'s relevant assets, whether by merger, consolidation, reorganization, reincorporation, sale of assets or stock, or otherwise.

Redacted

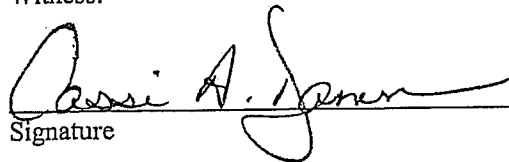
G. *Survivorship.* The rights and obligations of the parties to this Agreement will survive termination of my employment with the Company.

Date: 04-29-14

  
Signature

LEE R. MADSEN II  
Name of Employee (typed or printed)

Witness:

  
Signature

Cassi A. Jensen  
Name (typed or printed)

EXHIBIT A

HCL CLEANTECH, INC. CONFLICT OF INTEREST GUIDELINES

Redacted

**EXHIBIT B**

**LIST OF PRIOR INVENTIONS  
AND ORIGINAL WORKS OF AUTHORSHIP**

Redacted

EXHIBIT C

HCL CLEANTECH, INC.

TERMINATION CERTIFICATION

Redacted

I further certify that I have complied with all the terms of the Company's At-Will Employment, Confidential Information, Invention Assignment, Non-Competition, and Arbitration Agreement signed by me, including the reporting of any inventions and original works of authorship (as defined therein) conceived or made by me (solely or jointly with others), as covered by that agreement.

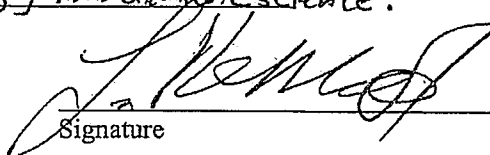
I further agree that, in compliance with the At-Will Employment, Confidential Information, Invention Assignment, Non-Competition, and Arbitration Agreement, I will preserve as confidential all Company Confidential Information and Associated Third Party Confidential Information, including trade secrets, confidential knowledge, data, or other proprietary information relating to products, processes, know-how, designs, formulas, developmental or experimental work, computer programs, databases, other original works of authorship, customer lists, business plans, financial information, or other subject matter pertaining to any business of the Company or any of its employees, clients, consultants, or licensees.

Redacted

After leaving the Company's employment, I will be employed by  
Isotive, Inc. in the position of

Director of microbiology and chemical science.

Date: 04-29-14

  
Signature

LEE R. MADISON II  
Name of Employee (typed or printed)

Address for Notifications: