

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2797083

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALEXANDER TSEITLIN	02/03/2014
DAVID VAN ALSTYNE	03/24/2014
STEVEN BLOEMBERGEN	02/03/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ECOSYNTHETIX LTD.
<b>Street Address:</b>	3900 COLLINS ROAD
<b>Internal Address:</b>	SUITE 1018
<b>City:</b>	LANSING
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48910
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14123150
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	613-237-5160
<b>Email:</b>	jsanford@blg.com
<b>Correspondent Name:</b>	BORDEN LADNER GERVAIS LLP
<b>Address Line 1:</b>	1300-100 QUEEN ST
<b>Address Line 4:</b>	OTTAWA, CANADA K1P 1J9
<b>ATTORNEY DOCKET NUMBER:</b>	PAT 92234W-2
<b>NAME OF SUBMITTER:</b>	JANET SANFORD
<b>SIGNATURE:</b>	/Janet Sanford/
<b>DATE SIGNED:</b>	04/02/2014
<b>Total Attachments: 4</b>	
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**WORLDWIDE**

**ASSIGNMENT**

**We:**

**TSEITLIN, Alexander, 5 Deer Run Cresc., Halton Hills, Ontario, L7J 2L7, Canada**

**VAN ALSTYNE, David, 415 Patricia Drive, Burlington, Ontario L7T 1J9, Canada**

**BLOEMBERGEN, Steven, 3987 West Sunwind Drive, Okemos, MI, 48864, U.S.A.**

for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, confirm that effective at least as early as **June 3, 2011** we did sell and assign to:

**EcoSynthetix Ltd.  
3900 Collins Road  
Suite 1018  
Lansing, MI 48910  
U.S.A.**

all our right, title and interest in the United States of America, Canada, and all countries foreign thereto, in and to the invention(s) disclosed in U.S. Patent Application No. **14/123,150**, which is a national entry of PCT Patent Application No. **PCT/CA2012/050375**, filed **June 4, 2012**, , relating to, and entitled:

**A CURABLE SHEARED OR EXTRUDED, CROSS LINKED STARCH NANOPARTICLE  
LATEX BINDER FOR USE WITH MINERAL, NATURAL ORGANIC OR SYNTHETIC FIBRE  
PRODUCTS AND NON-WOVEN MATS**

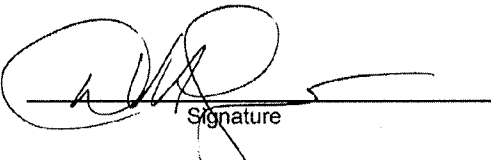
and to any application for patent claiming subject matter relating thereto, including United States Patent Application No. **61/493,266**, filed **June 3, 2011**, and to all our corresponding right, title and interest in and to any patent issued therefrom, and to any patent issued from a continuation, continuation-in-part, re-issue, divisional or re-examination application derived, or claiming priority, from the above application.

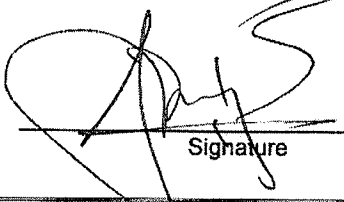
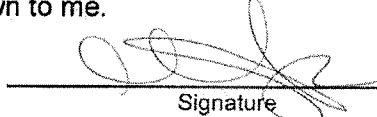
We authorize the firm of Borden Ladner Gervais LLP to insert any further identification necessary to make this assignment suitable for recordation in the Patent Offices of any country as may be required.

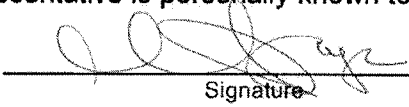
<p><b>TSEITLIN, Alexander</b></p> <p>Executed at <u>Burlington</u> City</p> <p><u>ONTARIO, CANADA</u> Province/State, Country</p> <p>This <u>3</u> day of <u>FEB</u>, <u>2014</u>. Day Month Year</p> <p><u>[Signature]</u> Signature</p>	<p><b>Witness:</b></p> <p>I, <u>J. DESSA FANE</u> Print Name</p> <p>whose full post office address is <u>3365 MANUWAY, BURLINGTON</u> <u>ONTARIO L7M 1A6</u></p> <p>was personally present and did see <b>TSEITLIN, Alexander</b> execute the within assignment and such assignor is personally known to me.</p> <p><u>[Signature]</u> Signature</p>
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<p><b>VAN ALSTYNE, David</b></p> <p>Executed at _____ City</p> <p>_____ Province/State, Country</p> <p>This _____ day of _____, _____. Day Month Year</p> <p>_____ Signature</p>	<p><b>Witness:</b></p> <p>I, _____ Print Name</p> <p>whose full post office address is _____ _____</p> <p>was personally present and did see <b>VAN ALSTYNE, David</b> execute the within assignment and such assignor is personally known to me.</p> <p>_____ Signature</p>
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<p><b>TSEITLIN, Alexander</b></p> <p>Executed at _____ City</p> <p>_____ Province/State, Country</p> <p>This _____ day of _____, _____ Day Month Year</p> <p>_____ Signature</p>	<p><u>Witness:</u></p> <p>I, _____ Print Name</p> <p>whose full post office address is</p> <p>_____</p> <p>_____</p> <p>was personally present and did see <b>TSEITLIN, Alexander</b> execute the within assignment and such assignor is personally known to me.</p> <p>_____ Signature</p>
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<p><b>VAN ALSTYNE, David</b></p> <p>Executed at <u>Burlington</u> City</p> <p><u>Ontario Canada</u> Province/State, Country</p> <p>This <u>24</u> day of <u>March</u>, <u>2014</u> Day Month Year</p> <p> Signature</p>	<p><u>Witness:</u></p> <p>I, _____ Print Name</p> <p>whose full post office address is</p> <p>_____</p> <p>_____</p> <p>was personally present and did see <b>VAN ALSTYNE, David</b> execute the within assignment and such assignor is personally known to me.</p> <p>_____ Signature</p>
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<p><b>BLOEMBERGEN, Steven</b></p> <p>Executed at <u>Burlington</u> City</p> <p><u>Ontario, Canada</u> Province/State, Country</p> <p>This <u>3</u> day of <u>FEB.</u>, <u>2014</u>. Day Month Year</p> <p> Signature</p>	<p><b>Witness:</b></p> <p>I, <u>HEUSBA FAME</u> Print Name</p> <p>whose full post office address is <u>3365 Highway Burlington</u> <u>Ontario L7M 1A6</u></p> <p>was personally present and did see <b>BLOEMBERGEN, Steven</b> execute the within assignment and such assignor is personally known to me.</p> <p> Signature</p>
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<p><b>EcoSynthetix Ltd.</b></p> <p>Executed at <u>Burlington</u> City</p> <p><u>Ontario, Canada</u> Province/State, Country</p> <p>This <u>3</u> day of <u>FEB.</u>, <u>2014</u>. Day Month Year</p> <p>By: <u>STEVEN BLOEMBERGEN</u> Print Name</p> <p>Title: <u>EVP TECHNOLOGY</u> Signature</p>	<p><b>Witness:</b></p> <p>I, <u>HEUSBA FAME</u> Print Name</p> <p>whose full post office address is <u>3365 Highway Burlington</u> <u>Ontario, L7M 1A6</u></p> <p>was personally present and did see <u>STEVEN BLOEMBERGEN</u> Name</p> <p>execute the within assignment and such representative is personally known to me.</p> <p> Signature</p>
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