

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5435568

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SIMON FAN	10/17/2017
TRISTAN SLOAN	01/19/2018
DAVID ROBERT BRUCE	10/04/2017
JOHN MCLEOD	10/04/2017
RECEIVING PARTY DATA	
Name:	MGX RENEWABLES INC.
Street Address:	#1-8765 ASH STREET
City:	VANCOUVER, BRITISH COLUMBIA
State/Country:	CANADA
Postal Code:	V6P 6T3
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16335771
CORRESPONDENCE DATA	
Fax Number:	(260)897-9300
<i>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.</i>	
Phone:	260-897-3400
Email:	bdaniels@taylorip.com
Correspondent Name:	TAYLOR IP, P.C.
Address Line 1:	P.O. BOX 560
Address Line 2:	142. S MAIN STREET
Address Line 4:	AVILLA, INDIANA 46710
ATTORNEY DOCKET NUMBER:	OWG0021.US
NAME OF SUBMITTER:	TODD T. TAYLOR
SIGNATURE:	/Todd T. Taylor, Reg. No. 36945/
DATE SIGNED:	03/22/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 7	

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**CONFIRMATION OF OWNERSHIP AND CONFIRMATORY ASSIGNMENT OF
INVENTION AND RELATED PATENT RIGHTS**

WHEREAS THE FOLLOWING PERSON OR PERSONS:

Simon FAN
12286 Buchanan Street
Richmond, British Columbia V7E 6T8
Canada

Tristan SLOAN
401-1040 West 8th Avenue
Vancouver, British Columbia V6H 1C4
Canada

David Robert BRUCE
709-1887 Crowe Street
Vancouver, British Columbia V5Y 0B4
Canada

John MCLEOD
12648 18th Avenue
Surrey, British Columbia V4A 1V7
Canada

each an Assignor, is the inventor or a co-inventor if more than one Assignor is named, of certain inventions or improvements (the "Invention(s)") described and/or claimed in Patent Cooperation Treaty patent application No. PCT/CA2017/051105 filed 19 September 2017 entitled **APPARATUS, SYSTEMS AND METHODS FOR HIGH EFFICIENCY METAL PARTICLE REGENERATION** (the "Application(s)");

AND WHEREAS, **ZincNyx Energy Solutions, Inc.** (the "Assignee(s)"), whose address is #1-8765 Ash Street, Vancouver, British Columbia, V6P 6T3, Canada, has acquired the entire worldwide right, title, and interest in and to: the Invention(s), the Application(s), and all patents which may be granted on or as a result thereof in all countries;

In consideration of ONE (\$1.00) DOLLAR and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, each Assignor confirms that Assignee(s) is the owner of all right, title and interest in and to the Invention(s) and the Application(s) and, for greater certainty, to the full extent that he or she has not done so previously, he or she does hereby sell, assign, transfer, and set over to the Assignee(s) the entire right, title, and interest in and to:

- the Invention(s);
- the Application(s);
- all national phase applications arising from the Application(s);
- all continuations, divisions, renewals of, or substitutes for the Application(s);
- the right to file counterparts to the Application(s) in all countries and regions;
- the right to claim priority from the Application(s) in all countries and regions;
- each and every additional application that claims any part of the Inventions;
- each and every additional application that is in any way based on or claims priority from or corresponds to the Application(s);
- all patents which may be granted on or as a result thereof;
- any reissue or reissues of such patents;
- all causes of action and rights to bring suit for past, present, and future infringement thereof and all claims for and rights to collect damages, profits, and all other remedies and relief in respect thereof, including other compensation in respect of pre-grant activities; and

- all improvements to the Invention(s), whether or not already existing; the same to be owned by the Assignee(s), its successors, assigns, nominees, or legal representatives, for the full term or terms of the patents entirely as the same would have been owned by the Assignor(s), had this Assignment, sale, and transfer not been made.

Each Assignor hereby covenants that he or she: has full right to convey the entire interest herein assigned; and has not executed and will not execute any agreement to transfer any rights in the Invention(s) and/or the Application(s) to anyone other than the Assignee(s) or that is otherwise in conflict herewith.

Each Assignor promises that he or she shall do everything reasonably possible to aid the Assignee(s), its successors, assigns, nominees, and legal representatives to obtain and enforce for its or their own benefit, proper patent protection for the Invention(s) in all countries and regions including without limitation:

- each time a request is made and without undue delay, execute and deliver all lawful papers relating to the Invention(s) including without limitation:
 - all such papers as may be necessary or desirable to perfect the title to the Invention(s), the Application(s), and the patents in the Assignee, its successors, assigns, nominees, or legal representatives;
 - all such papers including, without limitation, rightful oaths and declarations, that the Assignee considers to be necessary or desirable for use in: prosecution of the Application(s); interference proceedings involving the Application(s) or patents; oppositions involving the Application(s) or patents; applications to reissue or re-examine the patents; disclaimers related to the Application(s) or patents; or filing additional applications to protect the Invention(s) in any country;
- communicate to the Assignee, or its nominees, all known facts respecting the Invention(s), the Application(s), and the patents and assist in the ascertainment of facts and the production of evidence relating to the Invention(s), the Application(s), or the patents; and
- testify in any legal proceedings;

all at the expense, however, of the Assignee or its successors, assigns, nominees, or legal representatives.

Each Assignor hereby irrevocably designates and appoints the Assignee and its duly authorized officers and agents, and their successors, as his or her agents and attorneys-in-fact, to act on the Assignor(s)'s behalf and instead of the Assignor(s), to execute and file applications to patent the Invention(s) in all countries, and to do all other proper lawfully permitted acts to further the assignment, prosecution, and issuance of patents for the Invention(s) with the same legal force and effect as if executed by the Assignor(s). This power of attorney shall be deemed coupled with an interest and is irrevocable.

Each Assignor hereby authorizes and requests any official of any country or countries whose duty it is to issue patents on applications to issue to the Assignee, its successors, assigns, nominees, or legal representatives all patents for the Invention(s) in accordance with the terms of this Confirmatory Assignment.

Declarations of Assignor(s) for United States

Each Assignor hereby declares that:

1. The above-identified Application(s) was made or authorized to be made by me;
2. I believe that I am the original inventor or an original joint inventor of a claimed invention in the Application(s); and
3. I hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

EXECUTED at Vancouver this 18th day of October 20 17
(place of signature)


Simon Fan

Witnessed by: John McLeod
Printed Name: JOHN McLEOD

EXECUTED at VANCOUVER this 19th day of January 20 18
(place of signature)


Tristan Sloan

Witnessed by: John McLeod
Printed Name: JOHN McLEOD

EXECUTED at VANCOUVER this 4th day of OCTOBER 20 17
(place of signature)

[Signature]
David Robert Bruce

Witnessed by: [Signature]
Printed Name: JOHN MCLEOD

EXECUTED at VANCOUVER this 4th day of OCTOBER 20 17
(place of signature)

[Signature]
John McLeod

Witnessed by: [Signature]
Printed Name: SURESH SINGH

STATEMENT OF ACCEPTANCE

The foregoing Assignment is hereby accepted by the Assignee(s):

ZincNyx Energy Solutions, Inc.

By: [Signature]
Name: SURESH SINGH
Title: PRESIDENT & CEO

DUPLICATE

Number: BC0927147



**CERTIFICATE
OF
CHANGE OF NAME**

BUSINESS CORPORATIONS ACT

I Hereby Certify that ZINCNYX ENERGY SOLUTIONS INC. changed its name to MGX RENEWABLES INC. on November 1, 2018 at 11:01 AM Pacific Time.

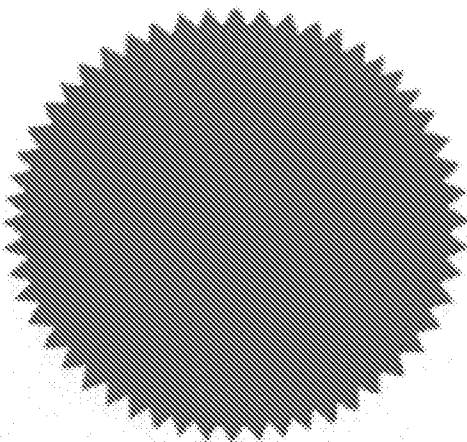
Issued under my hand at Victoria, British Columbia

On November 1, 2018

A handwritten signature in cursive script, appearing to read "Carol Prest".

CAROL PREST

Registrar of Companies
Province of British Columbia
Canada



**PATENT
REEL: 048669 FRAME: 0636**

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF THE RECORDING OF A CHANGE

(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

TAKAGAWA, David H.
480-601 West Cordova Street
Vancouver, British Columbia V6B 1G1
CANADA

Date of mailing (<i>day/month/year</i>) 09 April 2018 (09.04.2018)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference Z1090007DHT	
International application No. PCT/CA2017/051105	International filing date (<i>day/month/year</i>) 19 September 2017 (19.09.2017)

1. The following indications appeared on record concerning:

the applicant the inventor the agent the common representative

Name and Address ZINCNYX ENERGY SOLUTIONS, INC. #1-8765 Ash Street Vancouver, British Columbia V6P 6T3 Canada	State of Nationality CA	State of Residence CA
	Telephone No.	
	Facsimile No.	
	E-mail address	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

the person the name the address the nationality the residence

Name and Address ZINCNYX ENERGY SOLUTIONS INC. #1-8765 Ash Street Vancouver, British Columbia V6P 6T3 Canada	State of Nationality CA	State of Residence CA
	Telephone No.	
	Facsimile No.	
	E-mail address mail@patentable.com <input type="checkbox"/> Notifications by e-mail authorized	

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the International Preliminary Examining Authority
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the Authority(ies) specified for supplementary search	<input type="checkbox"/> the elected Offices concerned
	<input type="checkbox"/> other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Porohovski Youri e-mail pct.team4@wipo.int Telephone No. +41 22 338 74 04
Facsimile No. +41 22 338 89 95	

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF THE RECORDING OF A CHANGE

(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

TAKAGAWA, David H.
480-601 West Cordova Street
Vancouver, British Columbia V6B 1G1
CANADA

Date of mailing (<i>day/month/year</i>) 22 February 2019 (22.02.2019)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference Z1090007DHT	
International application No. PCT/CA2017/051105	International filing date (<i>day/month/year</i>) 19 September 2017 (19.09.2017)

1. The following indications appeared on record concerning:

the applicant the inventor the agent the common representative

Name and Address ZINCNYX ENERGY SOLUTIONS INC. #1-8765 Ash Street Vancouver, British Columbia V6P 6T3 Canada	State of Nationality CA	State of Residence CA
	Telephone No.	
	Facsimile No.	
	E-mail address mail@patentable.com	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

the person the name the address the nationality the residence

Name and Address MGX RENEWABLES INC. #1-8765 Ash Street Vancouver, British Columbia V6P 6T3 Canada	State of Nationality CA	State of Residence CA
	Telephone No.	
	Facsimile No.	
	E-mail address mail@patentable.com <input type="checkbox"/> Notifications by e-mail authorized	

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input checked="" type="checkbox"/> the International Preliminary Examining Authority
<input type="checkbox"/> the International Searching Authority	<input type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the Authority(ies) specified for supplementary search	<input checked="" type="checkbox"/> the elected Offices concerned
	<input type="checkbox"/> other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Abdulaziz Ismail
Facsimile No. +41 22 338 89 95	e-mail pct.team4@wipo.int Telephone No. +41 22 338 74 04