

<b>PATENT ASSIGNMENT COVER SHEET</b>
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 Stylesheet Version v1.2

EPAS ID: PAT3402696

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JILI LIU	12/17/2012
MINGDONG XU	12/17/2012
DAVID A. SWITZER	12/17/2012
AARON W. LOGAN	12/17/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EVOLUTION ENGINEERING INC.
<b>Street Address:</b>	BAY 2, 1480 28 STREET NE
<b>City:</b>	CALGARY
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	T2A 7W6
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14653229
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)682-6031
<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>	
<b>Phone:</b>	206-622-4900
<b>Email:</b>	JeffG@SeedIP.com
<b>Correspondent Name:</b>	KEVIN S. COSTANZA
<b>Address Line 1:</b>	701 FIFTH AVENUE
<b>Address Line 2:</b>	SUITE 5400
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98104
<b>ATTORNEY DOCKET NUMBER:</b>	310197.406USPC
<b>NAME OF SUBMITTER:</b>	KEVIN S. COSTANZA
<b>SIGNATURE:</b>	/Kevin S. Costanza/
<b>DATE SIGNED:</b>	06/18/2015
<b>Total Attachments: 3</b>	
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**ASSIGNMENT**

WHEREAS, WE: **Jili (Jerry) Liu** of 9 Chaparral Cove SE, Calgary, Alberta T2X 3L4 and **Mingdong Xu** of 87 Everstone Rise SW, Calgary, Alberta T2Y 4J8 and **David A. Switzer** of 28 Aspen Stone Court SW, Calgary, Alberta T3H 0L6 and **Aaron W. Logan** of 48 Slocan Road SW, Calgary, Alberta T2W 0S8 have invented an invention entitled: **Downhole Telemetry Signal Modulation Using Pressure Pulses of Multiple Pulse Heights** ("Invention"), for which an application for Letters Patent will be made in the United States Patent and Trademark Office on DEC 17, 2012 under serial No. 61/138,296;

WHEREAS, **Evolution Engineering Inc.** (hereinafter referred to as "ASSIGNEE") having a place of business at Bay 2, 1480 28 Street NE, Calgary, Alberta T2A 7W6 is desirous of acquiring and having assigned to it the full right, title and interest in and to the Invention and in and to any Letters Patent that may be granted therefor in any and all countries and jurisdictions; and

WHEREAS WE have agreed to make such assignment;

NOW, THEREFORE, in consideration of the foregoing premises, and of the sum of one dollar (\$1.00) and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, hereby sell, assign and transfer absolutely to the ASSIGNEE the full and exclusive right, title and interest in and to: (a) the Invention worldwide; (b) any and all patent applications for the Invention in all countries and jurisdictions and under all conventions and treaties, including the right to claim for any and all applications any priority rights to which such applications are entitled under conventions, treaties or otherwise, and all divisions, extensions, continuations, continuations-in-part, provisionals, non-provisionals, substitutions and renewals thereof; (c) all Letters Patent which may be granted therefor in any and all countries and jurisdictions, and any renewals, reissues, re-examinations or extensions of the Letters Patent, and (d) the exclusive right to bring or participate in any proceeding for past infringement or any other actionable right under all of the foregoing and to receive all remedies that arise therefrom, to the end of the term for which the Letters Patent may be granted, as fully and entirely as the same would have been held by us had this Assignment not been made.

V85308USP\VAN\_LAW\1104872\1

*Handwritten signatures:*  
 Jili (Jerry) Liu  
 Mingdong Xu  
 David A. Switzer  
 Aaron W. Logan

**PATENT**

**REEL: 035861 FRAME: 0498**

WE hereby authorize and request the patent offices in all countries and jurisdictions to issue any and all of the Letters Patent, when granted, to the ASSIGNEE.

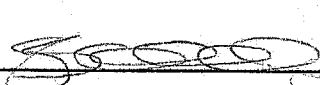
Further, WE agree that WE will communicate to the ASSIGNEE or its representatives any facts known to us respecting the Invention, and testify in any legal proceeding, sign all lawful papers, execute all papers relating to all patent applications including all divisionals, continuations, continuations-in-part, extensions, renewals, provisionals, non-provisionals or substitutes thereof, and the Letters Patent including any renewal, re-examination, extension and reissue thereof, execute all necessary assignment papers to cause any and all of the Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid the ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for the Invention in any and all countries and jurisdictions.


The undersigned hereby authorizes the firm of Gowling Lafleur Henderson LLP to correct errors in this assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in any country.

EXECUTED at Calgary, Alberta, Canada, this 17<sup>th</sup>  
day of December, 2012.

Witness:

Inventor:

  
\_\_\_\_\_  
Print Name: Jenelle Corney


  
\_\_\_\_\_  
Jili (Jerry) Liu

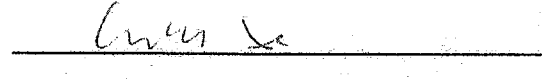
Handwritten initials: Ah, JF, m, L.X

EXECUTED at Calgary, Alberta, Canada, this 17  
day of December, 2012.

Witness:

Inventor:


  
Print Name: Jenelle Cooney

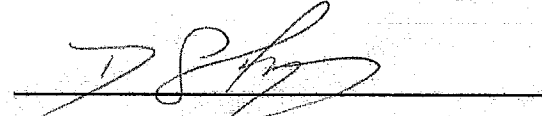
  
Mingdong Xu

EXECUTED at Calgary, Alberta, Canada, this 17<sup>th</sup>  
day of December, 2012.

Witness:

Inventor:


  
Print Name: Jenelle Cooney

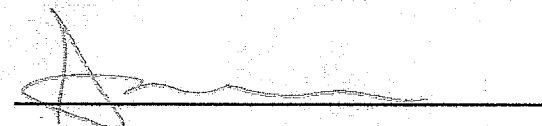
  
David A. Switzer

EXECUTED at Calgary, Alberta, Canada, this 17<sup>th</sup>  
day of December, 2012.

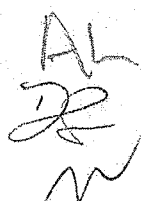
Witness:

Inventor:

  
Print Name: Jenelle Cooney

  
Aaron W. Logan

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PATENT