

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5480826

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ADAM J. NOBLE	12/07/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NOBLEGEN INC.
<b>Street Address:</b>	2140 EAST BANK DRIVE
<b>Internal Address:</b>	DNA BUILDING B101
<b>City:</b>	PETERBOROUGH, ONTARIO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	K9L 1Z8
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16326541
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)454-5060
<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>	(412) 454-5000
<b>Email:</b>	docketingpgh@pepperlaw.com
<b>Correspondent Name:</b>	PEPPER HAMILTON LLP
<b>Address Line 1:</b>	501 GRANT STREET
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<b>Address Line 4:</b>	PITTSBURGH, PENNSYLVANIA 15219-4429
<b>ATTORNEY DOCKET NUMBER:</b>	145942.00101
<b>NAME OF SUBMITTER:</b>	CHARLES J. VRSCAK, JR.
<b>SIGNATURE:</b>	/Charles J. Vrscak, Jr./
<b>DATE SIGNED:</b>	04/18/2019
<b>Total Attachments: 2</b>	
source=Assignment_Noble_to_Noblegen#page1.tif	
source=Assignment_Noble_to_Noblegen#page2.tif	

## A S S I G N M E N T

In consideration of one dollar and other good and valuable consideration the receipt and sufficiency of which is hereby acknowledged

I

(1) **Adam J. Noble**

whose full post office address is

(1) **2500 North School Road, Lakefield, Ontario, Canada K0L 2H0**

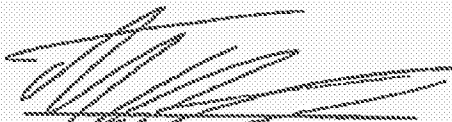
do hereby confirm that I have sold and assigned, and do hereby sell and assign to **Noblegen Inc.**


whose full post office address is **2140 East Bank Drive, DNA Building B101, Peterborough, Ontario, Canada K9L 1Z8**

all my rights, title and interest in the United States of America, Canada and all other countries and regions, in an invention entitled "**Methods and uses of dissolved organic material fractions for binding metal ions**" and PCT patent application no. **PCT/CA2017/050984** and US application nos. **US62/377,323** and **US62/513,018** and any patents which may issue therefrom, and in and to any divisions, continuations, continuations-in-part, reissues and extensions of the patents and patent applications, as well as the benefit of any right of priority provided by the International Convention for the Protection of Industrial Property and the benefit of any right of priority provided by any convention or treaty under domestic or foreign law.

I agree that I will, without further consideration, but at the expense of the assignee, do all such things and execute all such documents as may be necessary or desirable to obtain and maintain the patents and patent applications and for additions and modifications thereto in any and all countries, and to vest title thereto in the assignee, its successors, assigns and legal representatives or nominees.

Signed at Peterborough, Ontario this 7<sup>th</sup> day of December, 2018

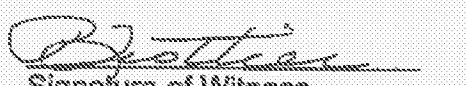
  
Signature of Witness  
Timothy Lam

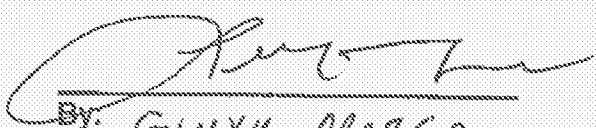
  
Adam Noble

Noblegen Inc. confirms and accepts the assignment of the invention and all related patent applications and patents.

Signed at 1009 16<sup>th</sup> this 7 day of DEC., 2018

Noblegen Inc.

  
Signature of Witness  
PATRICIA TROTTER

  
By: GWYN MORGAN  
Title: SECRETARY  
Date: DEC 7/18