## 504378196 05/22/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4424891

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PETER J. DUGAN	03/10/2015
DIMITRI W. PONIRAKIS	03/10/2015
MICHAEL S. PITZRICK	01/30/2014
JOHN A. ZOLLWEG	05/16/2017
CHRISTOPHER W. CLARK	01/28/2015
AARON N. RICE	02/19/2015

## **RECEIVING PARTY DATA**

Name:	CORNELL UNIVERSITY
Street Address:	CENTER FOR TECHNOLOGY LICENSING ("CTL") AT CORNELL UNIVERSITY
Internal Address:	395 PINE TREE ROAD, SUITE 310
City:	ITHACA
State/Country:	NEW YORK
Postal Code:	14850

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14349459

## **CORRESPONDENCE DATA**

**Fax Number:** (312)673-0361

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:** 312 673 0360

**Email:** corder@vciplaw.com, lcipra@vciplaw.com

Correspondent Name: VALAUSKAS CORDER LLC
Address Line 1: 150 SOUTH WACKER DRIVE

Address Line 2: SUITE 1650

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	9664-129
NAME OF SUBMITTER:	ALLISON M. CORDER
SIGNATURE:	/amc/

PATENT 504378196 REEL: 042456 FRAME: 0353

DATE SIGNED:	05/22/2017
Total Attachments: 11	
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WHEREAS, We,

Peter J. Dugan, a U.S. citizen, residing at 4 Nottingham Drive, Ithaca, NY 14850;

Dimitri W. Ponirakis, a U.S. citizen, residing at 15 Hilton Road, Dryden, NY 13053;

Michael S. Pitzrick, a U.S. citizen, residing at 1706 Hanshaw Road, Ithaca, NY 14850;

John A. Zollweg, a U.S. citizen, residing at 980 Steam Mill Road, Ithaca, NY 14850;

Christopher W. Clark, a U.S. citizen, residing at 41 Hartwood Road, Ithaca, NY 14850;

and

Aaron N. Rice, a U.S. citizen, residing at 13 Hudson Place, Ithaca, NY 14850;

have invented certain new and useful improvements in SYSTEM AND METHODS OF ACOUSTIC MONITORING for which an application for Letters Patent in the United States was filed as U.S. Serial No. 14/349,459 on April 3, 2014; claiming priority to International Application No. PCT/US2012/058565 on October 3, 2012; claiming priority to U.S. Provisional Application No. 61/542,636 on October 3, 2011.

AND WHEREAS, Cornell University, with its principal place of business at the Center for Technology Licensing ("CTL") at Cornell University, 395 Pine Tree Road, Suite 310, Ithaca, New York 14850 USA, is entitled to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Cornell University, its successors, legal representatives and assigns, the entire right. title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said Cornell University, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said Cornell University, its successors, legal representatives, and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally do everything possible to aid the said Cornell University, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

representatives, and assigns, to obtain and enforce proper patent protection for said contributions in all countries.

Witness Signature Option	
Peter J. Dugan	Date
First Witness Signature	Date
First Witness Printed Name	
Second Witness Signature	Date
Second Witness Printed Name	
Notary Signature Option	
of March, 2015	WHEREOF, I hereunto set my hand and seal this day
STATE OF LOW YORK COUNTY OF LOW PKINS	Peter J. Dugan  MARY P. KLEIN  Notary Public, State of New York  No. OrkLetaottet  Question in Containd County  Commission Expires July 11, 2017
This 10 day of above-named Peter 1000 who executed the same of his/her of	, 20 5, before me personally came the to me personally known as the individual wn free will for the purposes therein set forth.
	May Public Notary Public Commission expires on July 112017

WHEREAS, We,

Peter J. Dugan, a U.S. citizen, residing at 4 Nottingham Drive, Ithaca, NY 14850; Dimitri W. Ponirakis, a U.S. citizen, residing at 15 Hilton Road, Dryden, NY 13053; Michael S. Pitzrick, a U.S. citizen, residing at 1706 Hanshaw Road, Ithaca, NY 14850; John A. Zollweg, a U.S. citizen, residing at 980 Steam Mill Road, Ithaca, NY 14850;

Christopher W. Clark, a U.S. citizen, residing at 41 Hartwood Road, Ithaca, NY 14850; and

Aaron N. Rice, a U.S. citizen, residing at 13 Hudson Place, Ithaca, NY 14850;

have invented certain new and useful improvements in **SYSTEM AND METHODS OF ACOUSTIC MONITORING** for which an application for Letters Patent in the United States was filed as U.S. Serial No. 14/349,459 on April 3, 2014; claiming priority to International Application No. PCT/US2012/058565 on October 3, 2012; claiming priority to U.S. Provisional Application No. 61/542,636 on October 3, 2011.

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NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Cornell University, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said Cornell University, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said Cornell University, its successors, legal representatives, and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally do everything possible to aid the said Cornell University, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Witness Signature Option	
M	03/10/2015
Dimitri W. Ponirakdo Ponirakis	Date
First Witness Signature	Date
First Witness Printed Name	
Second Witness Signature	Date
Second Witness Printed Name	
Notary Signature Option	
IN TESTIMONY WHEN	REOF, I hereunto set my hand and seal this 10 day
	M.
	Dimitri W. Ponirakas Ponirakis MARY P. 19 FIN
STATE OF New York COUNTY OF Tomphins:	MARY P. P. EIN  Motory Public, Glore of New York  Notary Public, Glore of New York  No. 01KL6180101  Outline and County  Control 2014  Outline Control  Outline County  Control 2014  Outline County  Control 2014
This \( \) day of \( \mathred{M} \) \( \text{day of } \( \mathred{M} \) \( \mathred{M} \) \( \text{day of } \( \mathred{M} \) \(	rch, 2015, before me personally came the
above-named Dimitri WPoni h	to me personally known as the individual
who executed the same of his/her own fr	ree will for the purposes therein set forth.
	Motary Public Notary Public Commission expires on JULY 11, 2017

## CORNELL UNIVERSITY

Office of the Vice President for Technology Transfer, Intellectual Property and Research Policy
Inventions and Related Property Rights Assignment Form

Last updated June 4, 2013

Instructions for ALL CORNELL UNITS. This form must be signed and submitted by anyone receiving a University appointment to an academic position, including those with modified titles (visiting, courtesy, adjunct, etc.), clinical and affiliation appointments, regardless of pay, percent time, or duration, and assistantship and fellowship appointments (e.g., research and teaching assistant, graduate research assistant, fellowship recipient, and training grant recipient). See University Policy 1.5 Inventions and Related Property Rights: http://www.policy.cornell.edu/PolicyHome.cfm.

Signing and submitting this form is a condition placed on receiving a Cornell University appointment or being granted access to university resources. Modifications to this form are not permitted.

Individuals having a principal employer other than Cornell University and whose pre-existing invention and property rights agreement conflicts with Cornell's policy may be eligible to sign an alternate form. Questions should be directed to Patricia A. McClary, Associate University Counsel, at pand@cornell.edu or 607-255-5124.

Questions about the use of this form should be directed to the Office of the Vice President for Technology Transfer, Intellectual Property and Research Policy at vp\_research@cornell.edu or 607-255-7200.

# INVENTIONS AND RELATED PROPERTY RIGHTS ASSIGNMENT

- 1. I agree to assign and do hereby assign to Cornell University all right, title, and interest in any Cornell Invention as defined in Policy 1.5 made in furtherance of my University Responsibilities and/or with the use of University Resources (including but not limited to the performance of a grant, contract, award or gift made to the University by any external agency), and to comply with the provisions of Policy 1.5 Inventions and Related Property Rights as amended from time to time.
- 2. I agree to promptly disclose in writing to the University through an enabling Invention Disclosure submitted to the Cornell Center for Technology, Enterprise and Commercialization (CCTEC) any invention, or any discovery, creation, idea, including encoded works, that may be protected by patent or similar intellectual property right that I make during the term of my University Appointment or with the use of University Resources.
- 3. I understand that license revenue is shared between the University and inventors in accordance with the revenue distribution section of the Policy 1.5.
- 4. I am now under no consulting or other obligations to any third person, organization or corporation in respect to rights to inventions that are, or could reasonably be construed to be, in conflict with this agreement
- 5. I will not enter into any agreement creating patent obligations in conflict with this agreement
- 6. Electronic signatures and those transmitted by facsimile or portable document format (PDF) shall be deemed valid as original signatures. This Inventions and Related Property Rights Assignment shall not be denied legal effect, validity, or enforceability solely because an electronic record and electronic signature may have been used in its execution. Similarly, any photocopy or facsimile of this fully executed Assignment shall have the same legal force as any copy bearing original signatures.

Signed: // Min Hut	Date: 30 Jan 2014
Printed Name: Michael Pitzvick	Position Title: Research Support Specialist I
	Department: Labofornithology / BRP

WHEREAS, We,

Peter J. Dugan, a U.S. citizen, residing at 4 Nottingham Drive, Ithaca, NY 14850; Dimitri W. Ponirakis, a U.S. citizen, residing at 15 Hilton Road, Dryden, NY 13053; Michael S. Pitzrick, a U.S. citizen, residing at 1706 Hanshaw Road, Ithaca, NY 14850; John A. Zollweg, a U.S. citizen, residing at 980 Steam Mill Road, Ithaca, NY 14850; Christopher W. Clark, a U.S. citizen, residing at 41 Hartwood Road, Ithaca, NY 14850;

and

Aaron N. Rice, a U.S. citizen, residing at 13 Hudson Place, Ithaca, NY 14850;

have invented certain new and useful improvements in SYSTEM AND METHODS OF ACOUSTIC MONITORING for which an application for Letters Patent in the United States was filed as U.S. Serial No. 14/349,459 on April 3, 2014; claiming priority to International Application No. PCT/US2012/058565 on October 3, 2012; claiming priority to U.S. Provisional Application No. 61/542,636 on October 3, 2011.

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John A. Zollweg	Date	aut
First Witness Signature	Date	
First Witness Printed Name		
Second Witness Signature	Date	
Second Witness Printed Name		
Notary Signature Option		
IN TESTIMONY WI	HEREOF, I hereunto set my hand a	nd seal this 1644 day
	John A. Zollweg	livez
STATE OF LOW YORK COUNTY OF COMPKINS	MARY P. K Notary Public, State No. 01KL61: Qualified in Cortic Commission Expires	e of New York 30121 and County
This 16 day of management of the day of the day of management of the day of the day of management of the day of the	, 2017, before me	e personally came the
who executed the same of his/her own	n free will for the purposes therein	set forth.

Witness Signature Option

WHEREAS, We,

Peter J. Dugan, a U.S. citizen, residing at 4 Nottingham Drive, Ithaca, NY 14850;

Dimitri W. Ponirakis, a U.S. citizen, residing at 15 Hilton Road, Dryden, NY 13053;

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Witness Signature Option	
Christopher W. Clark	20 Jan 2015 Date
First Witness Signature	28 Jan. 2015 Date
Janet S. Moon First Witness Printed Name	
Jane Moon Clark Second Witness Signature	28 Jan. 2015 Date
Jane Moon Clark Second Witness Printed Name	
Notary Signature Option  IN TESTIMONY WHE  of, 20	REOF, I hereunto set my hand and seal this day
	Christopher W. Clark
OTE A TITLE OF D	-
STATE OF;	
This day of	, 20, before me personally came the
above-named	, to me personally known as the individual
who executed the same of his/her own fi	ree will for the purposes therein set forth.
	Notary Public Commission expires on

WHEREAS, We,

Peter J. Dugan, a U.S. citizen, residing at 4 Nottingham Drive, Ithaca, NY 14850;
Dimitri W. Ponirakis, a U.S. citizen, residing at 15 Hilton Road, Dryden, NY 13053;
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and

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# Witness Signature Option First Witness Signature Date First Witness Printed Name Second Witness Signature Date Second Witness Printed Name Notary Signature Option IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19 day of Feb 19, 2015. STATE OF New York COUNTY OF TOMPKINS

This 9 day of February, 2015, before me personally came the above-named Annual N. Rice, to me personally known as the individual who executed the same of his/her own free will for the purposes therein set forth.

MARY P. KLEIN
Notary Public, State of New York
No. 01 KL6130121
Qualified in Cortland County
Commission Expires July 11, 20#7

Notary Public
Commission expires on July 11 2017

PATENT REEL: 042456 FRAME: 0365

**RECORDED: 05/22/2017**