# 503075278 11/25/2014 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
DAVID KRAMER	11/20/2014
JEFFREY CRUZ	11/20/2014
CHRISTOPHER HALL	11/20/2014
WILLIAM KENT KOVAC	11/19/2014
ROBERT ZEGARAC	11/20/2014

## **RECEIVING PARTY DATA**

Name:	BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY
Street Address:	450 ADMINISTRATION BUILDING
City:	EAST LANSING
State/Country:	MICHIGAN
Postal Code:	48824-1046

## **PROPERTY NUMBERS Total: 2**

Property Type	Number
Application Number:	61653274
PCT Number:	US1343426

### CORRESPONDENCE DATA

Fax Number:

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:	5152333865
Email:	cfritz@cpaglobal.com
Correspondent Name:	BARBARA J. CLARK
Address Line 1:	1631 CRESTWOOD CIRCLE
Address Line 4:	AMES, IOWA 50010

ATTORNEY DOCKET NUMBER:	3000.074WO1
NAME OF SUBMITTER:	CATHERINE FRITZ
SIGNATURE:	/Catherine Fritz/
DATE SIGNED:	11/25/2014

## **Total Attachments: 7**

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#### ASSIGNMENT

WHEREAS, we, <u>David Kramer</u>, residing at <u>2673 Elderberry Drive</u>, <u>Okemos</u>, <u>Michigan</u> <u>48864</u>; <u>Jeffrey Cruz</u>, residing at <u>323 Sebewaing Road</u>, <u>Okemos</u>, <u>Michigan 48864</u>; <u>Christopher</u> <u>Hall</u>, residing at <u>5461 Wild Oak Drive</u>, <u>East Lansing</u>, <u>Michigan 48823</u>; <u>William Kent Kovac</u>, residing at <u>703 N Francis Ave</u>, <u>Lansing</u>, <u>Michigan 48912</u>; and <u>Robert Zegarac</u>, residing at <u>2370</u> <u>Graystone Drive</u>, <u>Okemos</u>, <u>Michigan 48864</u>, made certain new and useful inventions and improvements which are described in a U.S. Provisional Application filed on <u>May 30, 2012</u>, which application was assigned U.S. Patent Application Serial Number <u>61/653,274</u>, and is entitled <u>PLANT PHENOMETRICS SYSTEMS AND METHODS AND DEVICES RELATED THERETO</u>, and in an International Patent Application filed on <u>May 30, 2013</u>, which application was assigned International Application Number <u>PCT/US2013/043426</u>, and is entitled <u>PLANT</u> <u>PHENOMETRICS SYSTEMS AND METHODS AND DEVICES RELATED</u> <u>THENETOS SYSTEMS AND METHODS AND DEVICES RELATED</u> <u>PHENOMETRICS SYSTEMS AND METHODS AND DEVICES RELATED</u> <u>PHENOMETRICS SYSTEMS AND METHODS AND DEVICES RELATED</u> <u>THERETO</u>;

WHEREAS, We are governed by Michigan State University (hereinafter "MSU") Patent Policy (www.hr.msu.edu/documents/facacadhandbooks/facultyhandbook/patents.htm), and therefore understand that, in exchange for GOOD AND VALUABLE CONSIDERATION provided by MSU, the receipt, sufficiency and adequacy of which are hereby acknowledged, the aforementioned new and useful inventions and improvements are considered "University Inventions." As such, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to <u>Board of Trustees of Michigan State University</u> (the "Assignee"), a corporation of the State of <u>Michigan</u>, having a place of business at <u>450</u> <u>Administration Building</u>. East Lansing, MI 48824-1046, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. **102038** may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; Page 2 of 7

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

Page 3 of 7

Horm	TESTIMONY	4	have		set m	by hand	this	20	day	of
STATE OF	Michigen Sanghe	CERTIFICATE		-	EDGMI	ENT	$\mathcal{D}$			
On	this day o	f		_, 2014, be	fore me	, the unde	ersigne	d, a nota	ıry pul	blic
for the State	e of	, person	ally ap	peared DAV	/ID KRA	MER pers	sonally	known	to me	(or
proved to n	ne on the basis	of satisfactory ev	idence)	to be the	person v	whose na	me is :	subscribe	ed to	this
Assignment	, and acknowled	ged that he/she exe	ecuted t	he same for	r the pur	poses the	rein co	ontained.		

WITNESS my hand and official seal.

Notary Public

(SEAL)

Witnessed by:	-
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Name (printed):	Ann E. Wich

Date:	11	120	L	Ч
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IN TESTIMONY WHEREOF, I have hereunto set my hand this 20 day of NOVEMBER ,2014.

### **CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF MICHIGAN ) ) SS. COUNTY OF **INGHAM**)

On this \_\_\_\_\_ day of \_\_\_\_\_\_, 2014, before me, the undersigned, a notary public for the State of \_\_\_\_\_\_, personally appeared JEFFREY CRUZ personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, and acknowledged that he/she executed the same for the purposes therein contained.

WITNESS my hand and official seal.

Notary Public

(SEAL)

Witnessed by: Date: 11/20/ Name (printed):

Page 5 of 7

IN TESTIMONY WHEREOF, I have hereunto set my hand this  $\frac{2^{\circ}}{100}$  day of <u>November</u>, 2014.

Christopher Hall

#### **CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF <u>Michigan</u>) SS. COUNTY OF <u>Ingham</u>) On this day of \_\_\_\_\_\_, 2014, before me, the undersigned, a notary public for the State of \_\_\_\_\_\_, personally appeared CHRISTOPHER HALL personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, and acknowledged that he/she executed the same for the purposes therein contained.

WITNESS my hand and official seal.

Notary Public

(SEAL)

Witnessed b	y:			
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Name (prin	ted):	E.	Luche	
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Date:	- 11	20	114	
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#### ASSIGNMENT

Docket Nos: 3000.074PRV/3000.074WO1

Client Ref. Nos. TEC2012-0117-01Prov/TEC2012-0117-01PCT Assignors: David Kramer: Jeffery Cruz, Christopher Hall, William Kent Kovac, Robert Zegarac US Application No. 61/653,274 and International Application No. PCT/US2013/043426

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, IN 3	TESTIMONY	WHEREOF,	I have	hereunto	set	my hand	this	194	day	of
Novem	,20	14.	/	1/2	//c	$\mathbf{x}$				
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		Wil	liam Kei	n Kovac	and the second s					

#### CERTIFICATE OF ACKNOWLEDGMENT

STATE OF Michigan) SS. COUNTY OF Inglam) On this 19 day of November, 2014, before me, the undersigned, a notary public for the State of <u>Michigan</u>, personally appeared WILLIAM KENT KOVAC personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, and acknowledged that he/she executed the same for the purposes therein contained.

WITNESS my hand and official seal.

SEAL

Notary Public

TAMARA ANN MONAMARA ZUKER NOTARY PUBLIC - STATE OF MICHIGAN COUNTY OF CLINTON

My Commission Excises July 25,2015 Acting in the County of P 19

Witnessed by:// 410 Name (printed):

Date: 11 19 2014

PATENT REEL: 034258 FRAME: 0628

#### ASSIGNMENT

Client Ref. Nos. TEC2012-0117-01Prov/TEC2012-0117-01PCT Assignors: David Kramer, Jeffery Cruz, Christopher Hall, William Kent Kovac, Robert Zegarac US Application No. 61/653,274 and International Application No. PCT/US2013/043426

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,.	IN	TESTIMONY	WHEREOF,	I	have	hereunto	set	my	hand	this	20th	day	of
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					1/	$  _{1}$	2						

Robert Zegarac

#### **CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF <u>HICHIGAN</u>) SS. COUNTY OF <u>HIGHAN</u>) SS.

On this \_\_\_\_\_\_ day of \_\_\_\_\_\_, 2014, before me, the undersigned, a notary public for the State of \_\_\_\_\_\_\_, personally appeared **ROBERT ZEGARAC** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, and acknowledged that he/she executed the same for the purposes therein contained.

WITNESS my hand and official seal.

Notary Public

(SEAL)

Witnessed by:			
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Name (printed):	$\Gamma()$	Amy	E. Luchen
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Date:	 20	[14

**RECORDED: 11/25/2014**