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PATENT ASSIGNMENT COVER SHEET

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	SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT				
CONVEYING PARTY D	ΔΤΑ						
		Name	Name				
SEAN WARNICK				02/24/2015			
BRUCE J. WALKER				02/24/2015			
RECEIVING PARTY D	 ATA						
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City:	GLEN	GLENDALE					
State/Country:	CALIF	CALIFORNIA					
Postal Code:	91201	91201					
PROPERTY NUMBER	r	Number					
Application Number:	!	16451506					
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Fax Number: <i>Correspondence will I</i>	be sent to	the e-mail address first; if that is					
	be sent to						
Fax Number: <i>Correspondence will I using a fax number, if</i> Phone:	be sent to	o the e-mail address first; if that is d; if that is unsuccessful, it will be					
Fax Number: Correspondence will I using a fax number, if	be sent to f provideo	<i>the e-mail address first; if that is</i> <i>i; if that is unsuccessful, it will be</i> 515-535-5859	sent via US				
Fax Number: <i>Correspondence will I using a fax number, if</i> Phone: Email:	be sent to f provideo	<i>the e-mail address first; if that is</i> <i>t; if that is unsuccessful, it will be</i> 515-535-5859 IPSUPPORT@CORTEVA.COM	sent via US				
Fax Number: <i>Correspondence will I using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1:	be sent to f provideo :	<i>the e-mail address first; if that is</i> <i>t; if that is unsuccessful, it will be</i> 515-535-5859 IPSUPPORT@CORTEVA.COM PIONEER HI-BRED INTERNATION	sent via US				
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Fax Number: <i>Correspondence will I using a fax number, if</i> Phone: Email: Correspondent Name:	be sent to f provideo	b the e-mail address first; if that is d; if that is unsuccessful, it will be 515-535-5859 IPSUPPORT@CORTEVA.COM PIONEER HI-BRED INTERNATION 7250 NW 62ND AVENUE PO BOX 552 JOHNSTON, IOWA 50131-0552	sent via US				
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PATENT REEL: 049799 FRAME: 0314

Attorney Docket No. 36446.0201U3 RTS21215A-US-NP

WORLDWIDE ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in fulfillment of a pre-existing obligation of assignment, we, Bruce J. Walker and Sean Warnick at APPLIED INVENTION, LLC, 1225 Central Ave., Glendale, California, 91201, the undersigned inventor(s) have sold and assigned, and by these presents hereby sells and assigns, as indicated below, unto

APPLIED INVENTION, LLC 1225 Grand Central Avenue Glendale, California 91201

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the inventions in "ENVIRONMENTAL MANAGEMENT ZONE MODELING AND ANALYSIS" including all improvements to said invention ("Invention")

as set forth in this United States Patent Application and in the PCT Patent Application

executed concurrently herewith

executed on

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X US Serial No. _____ filed _____2015;

PCT Serial No. filed

including all provisional, non-provisional, divisional, renewal, substitute, continuation, continuations-inpart, international and Convention applications based in whole or in part upon said Inventions or upon said Applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said Inventions or upon said Applications and every priority right that is or may be predicated upon or arise from said Inventions, said Applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said Inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; said assignment including the right to bring legal proceedings and obtain any relief to which the undersigned would have been entitled if this assignment had not been made, in respect of any infringements of the undersigned's rights in relation to said inventions, Applications and Letters Patent which occur before or after the date of this assignment; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said Inventions, patent applications

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PATENT REEL: 049799 FRAME: 0315

Attorney Docket No. 36446.0201U3 RTS21215A-US-NP

and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said Inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be of said Inventions, and to testify in any proceedings relating to said Inventions, patent applications. Letters Patent, and to bind our heirs, legal representatives, and assigns, promptly to communicate to said Assignee or its representatives any facts known to us relating to said Inventions, to testify in any interference or legal proceedings involving said Inventions, the location of that testimony to be in the country in which we reside or in the nearest country in which such testimony is legal should our country of residence prohibit such testimony, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors or assigns to secure patent or similar protection for said Inventions and to vest in the Assignee complete title to said Inventions and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

The undersigned hereby grant an authorized representative of Assignee the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office or the Patent Office of any other country for recordation of this Assignment.

This assignment is deemed to be effective at least as early as of Feb 24 2015.

In Witness Whereof, I have executed this Worldwide Assignment on the 24th day of

_____ 2015. February

SEAN WARNICK Name of Inventor

Signature of Invento

WITNESSES:

2015-02-24

Date

Print or Type Name: Mark E. Duttweiler

Signature of Witness:

mark E. Dultur

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PATENT REEL: 049799 FRAME: 0316

			•	ket No. 36446.0201U3 RTS21215A-US-NP
2-24-2015	Signature of Witness:	1mally	ing _	
Date	Print or Type Name:	Ken'n K	eeggn	· · · · · · · · · · · · · · · · · · ·
In Witness Whereof, I have execut	ted this Worldwide Assig	nment on th	ne da	y of
, 2015.				
BRUCE J. WALKER				
Name of Inventor	Signature of Inventor			
WITNESSES:				
Dete	Signature of Witness:	:		
Date	Print or Type Name:			<u> </u>
<u></u>	Signature of Witness			
Date	Print or Type Name:			

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Attorney Docket No. 36446.0201U3 RTS21215A-US-NP

WORLDWIDE ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in fulfillment of a pre-existing obligation of assignment, we, Bruce J. Walker and Sean Warnick at APPLIED INVENTION, LLC, 1225 Central Ave., Glendale, California, 91201, the undersigned inventor(s) have sold and assigned, and by these presents hereby sells and assigns, as indicated below, unto

APPLIED INVENTION, LLC 1225 Grand Central Avenue Glendale, California 91201

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the inventions in "ENVIRONMENTAL MANAGEMENT ZONE MODELING AND ANALYSIS" including all improvements to said invention ("Invention")

as set forth in this United States Patent Application and in the PCT Patent Application

- executed concurrently herewith
- executed on

X US Serial No. _____ filed _____2015;

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including all provisional, non-provisional, divisional, renewal, substitute, continuation, continuationsin-part, international and Convention applications based in whole or in part upon said Inventions or upon said Applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said Inventions or upon said Applications and every priority right that is or may be predicated upon or arise from said Inventions, said Applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said Inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; said assignment including the right to bring legal proceedings and obtain any relief to which the undersigned would have been entitled if this assignment had not been made, in respect of any infringements of the undersigned's rights in relation to said inventions, Applications and Letters Patent which occur before or after the date of this assignment; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said Inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all

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PATENT REEL: 049799 FRAME: 0318

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24 Feb 2015, 2015.

Attorney Docket No. 36446.0201U3 RTS21215A:US:NP Signature of Inventor

BRUCE J. WALKER Name of Inventor

WITNESSES:

24 Feb 2015 Date

Signature of Witness: MANDA Print or Type Name: VINAY Signature of Witness: Print or Type Name: Sam Von Lihren

24 Feb 2015 Date

Atlanta #1791684 v1

RECORDED: 07/19/2019

