PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 Assignment ID: PATI173507

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL P. FREEMAN	04/25/2017
JINGTONG HOU	04/20/2017
BUMSHIK ROBERT PAK	04/20/2017
KATHLEEN MARIE HARDING	04/20/2017
LINDSEY DELLA WIEMER	04/20/2017
PHILLIP A. PATTEN	04/20/2017
TAKASHI YAMAMOTO	04/20/2017

RECEIVING PARTY DATA

Company Name:	PIONEER HI-BRED INTERNATIONAL, INC.
Street Address:	7100 NW 62ND AVENUE
Internal Address:	P.O. BOX 1014
City:	JOHNSTON
State/Country:	IOWA
Postal Code:	50131

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	18349428

CORRESPONDENCE DATA

Fax Number: 6784209301

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: 6784209300

Email:delees@ballardspahr.comCorrespondent Name:BALLARD SPAHR LLPAddress Line 1:999 PEACHTREE STREET

Address Line 2: SUITE 1600

Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	36446.0364U2
NAME OF SUBMITTER:	Sharon DeLee
SIGNATURE:	Sharon DeLee

PATENT 508502932 REEL: 067152 FRAME: 0892

DATE SIGNED:	04/18/2024
Total Attachments: 7	
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I, the unde	ersigned <u>MICHAEL FREEMAN</u> , hereby dec <u>INSECTS</u> the subject matter of which is de	clare that I am an invens	tor of an invention en on for patent (Attorne)	titled <u>METHODS FOR SORTING AND</u> y Docket No: <u>6494-US-NP</u>)	
	declaration executed on				
\boxtimes	United States Of America Paten	t Application Serial No.	15/491,454 ,1	filed on April19 2017 ,	
	PCT Application Serial No.	filed on			
-		erial No.		, filed on	
F	alm(s) its earliest priority to Application So or valuable consideration, the receipt and	adequacy of which is h	ereby acknowledged,	and in fulfillment of my pre-existing	
obligation	of assignment to assignee, which is hereb	y acknowledged, I here	eby:		
I. Sell, assi	ign, and transfer unto PIONEER HI-BRED I	NTERNATIONAL, INC., a	corporation organize	d and existing under the laws of the	
State of Id	owa in the United States of America and	having its principal pla	ace of business at 710	O NW 62 nd Avenue, P.O. Box 1014,	
	lowa 50131-1014, herein referred to as the				
	e entire right, title, and interest in and to:				
	om such aforesaid application(s) for Paten				
	ional Convention") and any other treaty o				
	nal Convention or other treaty or unders				
	lons, whether joint or sole, disclosed in				
	application(s) for Patent ("Inventions"),				
	er, including all provisional, non-prov				
	nal and convention applications based i				
	s, (5) any and all patents for any such in	, ,	•	- •	
	s of any patent based in whole or in part	-			
	right to (1) file such applications in its n in or any other treaty or understanding, (3				
	ks of the United States of America and any				
	patents to said assignee in accordance her	•		•	
	d all infringements thereof, whether past,		•		
•	d, as fully and entirely as the same would	•		•	
-	whenever assignee asks, without further	-	• •	-	
-	communicate to said assignee, its succe	•	÷		
	s or the rights described above, (B) to testi			•	
	on of that testimony to be in the country		= =		
my countr	ry of residence prohibit such testimony, (C) to execute all applica	tions, papers or instru	ments necessary or required by said	
assignee,	its successors, assigns and legal represen	ntatives, to carry into	effect any of the prov	visions of this instrument, including	
petitions,	specifications, oaths, assignments, disclain	mers, and lawful affidav	its in form and substa	nce which may be requested by said	
assignee and (D) generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain,					
	defend and enforce patent protection for			- :	
	sent, warrant and covenant that I have th				
	dated by any grant, license, or other right				
	that my grants and obligations herein sh	all also bind all of my h	eirs, executors, admin	istrators, legal representatives, and	
assigns; ar					
V. Agree that an authorized representative of assignee is hereby granted 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, including the power to insert on this assignment information regarding					
	ny other country for recordation of this As n number and filing date when known.	signment, including the	e power to insert on th	is assignment information regarding	
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	s Whereof, I have executed this Worldwic nt shall be effective as of the earliest prior	-	• •	•	
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	MICHAEL FREEMAN	nechel I.	Trueson	4/25/17	
N	lame of Inventor 1	Signature of Inventor		Date	

I, the undersigned <u>JINGTONG HOU</u> , hereby declare that I am an inventor of an invention entitled <u>METHODS FOR SORTING AND IMAGING INSECTS</u> the subject matter of which is described in the application for patent (Attorney Docket No: <u>6494-US-NP</u>)
declaration executed on
United States Of America Patent Application Serial No. 15/491,454 , filed on April19 2017 ,
PCT Application Serial No. filed on
which claim(s) its earliest priority to Application Serial No, filed on
For valuable consideration, the receipt and adequacy of which is hereby acknowledged, and in fulfillment of my pre-existing
obligation of assignment to assignee, which is hereby acknowledged, I hereby:
I. Sell, assign, and transfer unto PIONEER HI-BRED INTERNATIONAL, INC., a corporation organized and existing under the laws of the
State of lowa in the United States of America and having its principal place of business at 7100 NW 62 nd Avenue, P.O. Box 1014,
Johnston, Iowa 50131-1014, herein referred to as the assignee, and to assignee's successors and assigns,
(A) the entire right, title, and interest in and to: (1) the aforesaid application(s) for Letters Patent ("Patent"), (2) any priority rights
derived from such aforesaid application(s) for Patent by virtue of the International Convention for the Protection of Industrial Property
("International Convention") and any other treaty or understanding for intellectual property for any and all member countries of the
International Convention or other treaty or understanding, including rights in any and all provisional applications, (3) any and all of
my inventions, whether joint or sole, disclosed in such aforesaid application(s) for Patent, and/or related to or arising out of such
aforesaid application(s) for Patent ("Inventions"), (4) any and all applications for Patent for any such Inventions in any country
whatsoever, including all provisional, non-provisional, divisional, renewal, substitute, continuation, continuations-in-part,
international and convention applications based in whole or in part upon such aforesaid application(s) for Patent and/or such
Inventions, (5) any and all patents for any such inventions in any country whatsoever, including any and all reexams, reissues and
extensions of any patent based in whole or in part upon such aforesaid application(s) for Letters Patent and/or such inventions; (B) the entire right to (1) file such applications in its name or in my name, (2) file such applications under the aforesaid international
Convention or any other treaty or understanding, (3) have said patents granted in its name or mine, the Commissioner of Patents and
Trademarks of the United States of America and any counterpart in any other patent office being hereby authorized to issue or transfer
all of said patents to said assignee in accordance herewith, and (4) enforce said patents and to sue for and recover profits and damages
for any and all infringements thereof, whether past, present or future, to the full end of the term or terms for which said patents may
be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned without this assignment;
II. Agree, whenever assignee asks, without further compensation but at assignee's expense for actual and reasonable costs incurred,
(A) to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to me respecting such
Inventions or the rights described above, (B) to testify in any legal proceeding respecting such inventions or the rights described above,
the location of that testimony to be in the country in which I reside or in the nearest country in which such testimony is legal should
my country of residence prohibit such testimony, (C) to execute all applications, papers or instruments necessary or required by said
assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument, including
petitions, specifications, oaths, assignments, disclaimers, and lawful affidavits in form and substance which may be requested by said
assignee and (D) generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain,
maintain, defend and enforce patent protection for such Inventions and/or secure title to such Inventions with assignee;
III. Represent, warrant and covenant that I have the full right and lawful authority to make this assignment, that such assigned right
is not pre-dated by any grant, license, or other right heretofore given by me to any party other than the assignee hereto;
IV. Agree that my grants and obligations herein shall also bind all of my heirs, executors, administrators, legal representatives, and assigns; and
V. Agree that an authorized representative of assignee is hereby granted 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, including the power to insert on this assignment information regarding
application number and filing date when known.
In Witness Whereof, I have executed this Worldwide Assignment on the date indicated by my hand and agree that this Worldwide
Assignment shall be effective as of the earliest priority date for the aforesaid application(s) for Letters Patent.
$\frac{1}{1}$
JINGTONG HOU (10/10/10/10/10/10/10/10/10/10/10/10/10/1
Name of Inventor 3 Signature of Inventor Date

I, the undersigned BUMSHIK ROBERT PAK, hereby declare that I am an inve	
IMAGING INSECTS the subject matter of which is described in the application	on for patent (Attorney Docket No: 6494-05-NP_)
declaration executed on	
☐ United States Of America Patent Application Serial No.	15/491,454 , filed on April19 2017 ,
PCT Application Serial No. filed on	
which claim(s) its earliest priority to Application Serial No.	, filed on .
For valuable consideration, the receipt and adequacy of which is h	nereby acknowledged, and in fulfillment of my pre-existing
obligation of assignment to assignee, which is hereby acknowledged, I here	
I. Sell, assign, and transfer unto PIONEER HI-BRED INTERNATIONAL, INC., a	
State of Iowa in the United States of America and having its principal pla	ace of business at 7100 NW 62 nd Avenue, P.O. Box 1014.
Johnston, Iowa 50131-1014, herein referred to as the assignee, and to assign	
(A) the entire right, title, and interest in and to: (1) the aforesaid applica	
derived from such aforesaid application(s) for Patent by virtue of the Interna	
("International Convention") and any other treaty or understanding for international Convention ("International Convention")	
International Convention or other treaty or understanding, including rights	
my inventions, whether joint or sole, disclosed in such aforesaid applicati	
aforesaid application(s) for Patent ("Inventions"), (4) any and all applic	
whatsoever, including all provisional, non-provisional, divisional, re	
international and convention applications based in whole or in part up	
Inventions, (5) any and all patents for any such inventions in any country	
extensions of any patent based in whole or in part upon such aforesaid ap	
the entire right to (1) file such applications in its name or in my name, (2	
Convention or any other treaty or understanding, (3) have said patents gran	
Trademarks of the United States of America and any counterpart in any other	
all of said patents to said assignee in accordance herewith, and (4) enforce s	
for any and all infringements thereof, whether past, present or future, to the	
be granted, as fully and entirely as the same would have been held and enj	
II. Agree, whenever assignee asks, without further compensation but at ass	
(A) to communicate to said assignee, its successors, assigns, and lega	· · · · · · · · · · · · · · · · · · ·
Inventions or the rights described above, (B) to testify in any legal proceeding the legality of that testing on the basis of the country in which is really on the	
the location of that testimony to be in the country in which I reside or in the	•
my country of residence prohibit such testimony, (C) to execute all applications and leave the such testimony and leave the such testimony.	
assignee, its successors, assigns and legal representatives, to carry into e	
petitions, specifications, oaths, assignments, disclaimers, and lawful affidav	· · · · · · · · · · · · · · · · · · ·
assignee and (D) generally to do everything possible to aid said assignee, it	
maintain, defend and enforce patent protection for such Inventions and/or	<u> </u>
III. Represent, warrant and covenant that I have the full right and lawful at	· · · · · · · · · · · · · · · · · · ·
is not pre-dated by any grant, license, or other right heretofore given by me	· · · · · · · · · · · · · · · · · · ·
IV. Agree that my grants and obligations herein shall also bind all of my h	eirs, executors, administrators, legal representatives, and
assigns; and	and the conservation to the second state of th
V. Agree that an authorized representative of assignee is hereby gran	
identification which may be necessary or desirable to comply with the rul	•
office of any other country for recordation of this Assignment, including the	power to insert on this assignment information regarding
application number and filing date when known.	
In Witness Whereof, I have executed this Worldwide Assignment on the	date indicated by my hand and agree that this Worldwide
Assignment shall be effective as of the earliest priority date for the aforesaid	l application(s) for Letters Patent.
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BUMSHIK ROBERT PAK Burker Leher	4/20/2017
Name of Inventor 4 Signature of Inventor	Date

		RDING, hereby declare that I am an				
AND II	MAGING INSECTS the subject mat	ter of which is described in the app	lication for paten	t (Attorney D	ocket No: <u>6494-US</u>	<u>-NP_</u>)
	declaration executed on					
\boxtimes	United States Of America	Patent Application Serial No.	15/491,454	, filed on	April19 2017	
	PCT Application Serial No.	filed on			•	
whic	th claim(s) its earliest priority to A	pplication Serial No.		, filed		—: .
		receipt and adequacy of which is h		lged, and in f	ulfillment of my pre	existing:
		hich is hereby acknowledged, I here				
		R HI-BRED INTERNATIONAL, INC., a				
		merica and having its principal pla			2 ^{na} Avenue, P.O. B	ox 1014,
		rred to as the assignee, and to assig				
		st in and to: (1) the aforesaid applica				
		s) for Patent by virtue of the Interna				
		her treaty or understanding for int				
		y or understanding, including rights				
•		isclosed in such aforesaid applicati				
		ventions"), (4) any and all applic				
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		ons based in whole or in part up				
		any such inventions in any country				
	• •	e or in part upon such aforesaid ap				
		ions in its name or in my name, (2 estanding, (3) have said patents grai				
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		hether past, present or future, to th				
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		ee, its successors, assigns, and lega				
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		he country in which I reside or in the				
		estimony, (C) to execute all applicat				
		gal representatives, to carry into				
		ents, disclaimers, and lawful affiday				
		hing possible to aid said assignee, it				
		otection for such Inventions and/or				
III. Re	present, warrant and covenant th	at I have the full right and lawful a	uthority to make	this assignme	ent, that such assign	ned right
is not	pre-dated by any grant, license, or	r other right heretofore given by me	e to any party oth	er than the a	ssignee hereto;	
IV. Ag	gree that my grants and obligation	ns herein shall also bind all of my h	eirs, executors, a	dministrator	s, legal representat	ives, and
assign	s; and					
_	· · · · · · · · · · · · · · · · · · ·	ntative of assignee is hereby gran	-			•
	•	or desirable to comply with the rul				•
		on of this Assignment, including the	power to insert	on this assign	ment information r	egarding
applic	ation number and filing date wher	n known.				
In Wi	tness Whereof, I have executed th	nis Worldwide Assignment on the	date indicated by	my hand and	d agree that this W	orldwide
Assign	ument shall be effective as of the e	arliest priority date for the aforesaid	l application(s) fo	r Letters Pate	ent.	
		A/I MA \		.,/	1-17	
	KATHLEEN MARIE HARDII	NG MITHOUS	<u> </u>	4/2	0/2017	
	Name of Inventor 2	Signature of Inventor		Date		
		=				

I, the undersigned <u>LINDSEY DELLA WIEMER</u> , hereby declare that I am an inventor of an invention entitled <u>METHODS FOR SORTING</u> <u>AND IMAGING INSECTS</u> the subject matter of which is described in the application for patent (Attorney Docket No: <u>6494-US-NP</u>)
declaration executed on
United States Of America Patent Application Serial No. 15/491,454 , filed on April 19 2017 ,
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which claim(s) its earliest priority to Application Serial No, filed on
For valuable consideration, the receipt and adequacy of which is hereby acknowledged, and in fulfillment of my pre-existing
obligation of assignment to assignee, which is hereby acknowledged, I hereby:
I. Sell, assign, and transfer unto PIONEER HI-BRED INTERNATIONAL, INC., a corporation organized and existing under the laws of the
State of lowa in the United States of America and having its principal place of business at 7100 NW 62 nd Avenue, P.O. Box 1014,
Johnston, Iowa 50131-1014, herein referred to as the assignee, and to assignee's successors and assigns,
(A) the entire right, title, and interest in and to: (1) the aforesaid application(s) for Letters Patent ("Patent"), (2) any priority rights
derived from such aforesaid application(s) for Patent by virtue of the International Convention for the Protection of Industrial Property
("International Convention") and any other treaty or understanding for intellectual property for any and all member countries of the
International Convention or other treaty or understanding, including rights in any and all provisional applications, (3) any and all of
my inventions, whether joint or sole, disclosed in such aforesaid application(s) for Patent, and/or related to or arising out of such
aforesaid application(s) for Patent ("Inventions"), (4) any and all applications for Patent for any such Inventions in any country whatsoever, including all provisional, non-provisional, divisional, renewal, substitute, continuation, continuations-in-part,
international and convention applications based in whole or in part upon such aforesaid application(s) for Patent and/or such
Inventions, (5) any and all patents for any such Inventions in any country whatsoever, including any and all reexams, reissues and
extensions of any patent based in whole or in part upon such aforesaid application(s) for Letters Patent and/or such Inventions; (B)
the entire right to (1) file such applications in its name or in my name, (2) file such applications under the aforesaid International
Convention or any other treaty or understanding, (3) have said patents granted in its name or mine, the Commissioner of Patents and
Trademarks of the United States of America and any counterpart in any other patent office being hereby authorized to issue or transfer
all of said patents to said assignee in accordance herewith, and (4) enforce said patents and to sue for and recover profits and damages
for any and all infringements thereof, whether past, present or future, to the full end of the term or terms for which said patents may
be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned without this assignment;
II. Agree, whenever assignee asks, without further compensation but at assignee's expense for actual and reasonable costs incurred,
(A) to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to me respecting such
Inventions or the rights described above, (B) to testify in any legal proceeding respecting such inventions or the rights described above,
the location of that testimony to be in the country in which I reside or in the nearest country in which such testimony is legal should
my country of residence prohibit such testimony, (C) to execute all applications, papers or instruments necessary or required by said
assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument, including
petitions, specifications, oaths, assignments, disclaimers, and lawful affidavits in form and substance which may be requested by said
assignee and (D) generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain,
maintain, defend and enforce patent protection for such inventions and/or secure title to such inventions with assignee;
III. Represent, warrant and covenant that I have the full right and lawful authority to make this assignment, that such assigned right
is not pre-dated by any grant, license, or other right heretofore given by me to any party other than the assignee hereto;
IV. Agree that my grants and obligations herein shall also bind all of my heirs, executors, administrators, legal representatives, and
assigns; and
V. Agree that an authorized representative of assignee is hereby granted 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, including the power to insert on this assignment information regarding application number and filing date when known.
In Witness Whereof, I have executed this Worldwide Assignment on the date indicated by my hand and agree that this Worldwide
Assignment shall be effective as of the earliest priority date for the aforesaid application(s) for Letters Patent.
LINDSEY DELLA WIEMER 4/20/2017
Name of Inventor 6 Signature of Inventor Date

the undersigned Phillip A PATIEN, Her				
IMAGING INSECTS the subject matter of wh	nich is described in the application	on for patent (Atto	iney bocket	NO: <u>0434-03-NP</u>)
declaration executed on		_		
United States Of America	Patent Application Serial No.	15/491,454	, filed on	April19 2017 ,
PCT Application Serial No.	filed on			•
which claim(s) its earliest priority to Appl			, filed	
For valuable consideration, the re-			ged, and in fo	ulfillment of my pre-existing
obligation of assignment to assignee, which				
I. Sell, assign, and transfer unto PIONEER F				
State of Iowa in the United States of Ame				2 nd Avenue, P.O. Box 1014,
Johnston, Iowa 50131-1014, herein referre	<u> </u>	-	-	
(A) the entire right, title, and interest in				
derived from such aforesaid application(s) if ("International Convention") and any other				
International Convention or other treaty of				
my inventions, whether joint or sole, disc				
aforesaid application(s) for Patent ("Inve				
whatsoever, including all provisional,				
international and convention applications				
Inventions, (5) any and all patents for any	•			• •
extensions of any patent based in whole o	r in part upon such aforesaid ap	plication(s) for Le	tters Patent	and/or such inventions; (B)
the entire right to (1) file such application	is in its name or in my name, (2	2) file such applic	ations under	the aforesaid International
Convention or any other treaty or understa				
Trademarks of the United States of America				
all of said patents to said assignee in accord	* * *	•		•
for any and all infringements thereof, whet				
be granted, as fully and entirely as the sam		•	_	- ·
 Agree, whenever assignee asks, without (A) to communicate to said assignee, 				
Inventions or the rights described above, (8	· · · · · · · · · · · · · · · · · · ·		•	
the location of that testimony to be in the				
my country of residence prohibit such test				
assignee, its successors, assigns and legal				• • •
petitions, specifications, oaths, assignment				
assignee and (D) generally to do everythin	g possible to aid said assignee, i	ts successors, ass	igns, and lega	al representatives to obtain,
maintain, defend and enforce patent prote	ection for such Inventions and/or	r secure title to su	ch inventions	s with assignee;
III. Represent, warrant and covenant that				
is not pre-dated by any grant, license, or of				
IV. Agree that my grants and obligations I	herein shall also bind all of my h	ieirs, executors, a	dministrator	s, legal representatives, and
assigns; and	A) a& a.alaa.a. la b.a.ala	4 - 1 4b		
V. Agree that an authorized representa identification which may be necessary or or				
office of any other country for recordation				
application number and filing date when ke		s power to miser to	assign	ment anothiation tegaturis
In Witness Whereof, I have executed this		data indicated by	my hand an	d agree that this Worldwide
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Assignment shall be effective as of the carr	lest priority date in the archesan	i application(s) to	Letters Fate	711 .
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PHILLIP A PATTEN	/\	\//	4.	2a.17
Name of Inventor 5	Signature of Inventor	V	Date	
TARTITO OF THACHING	pignature of the life.		Date	

PATENT

REEL: 067152 FRAME: 0899

		WORLDWIDE ASSIGN			_
	indersigned TAKASHI YAMAMOTO,				
<u>IMAGI</u>	<u>NG INSECTS</u> the subject matter of w	which is described in the application	on for patent (Att	orney Docke	t No: <u>6494-US-NP</u>)
	declaration executed on				
\boxtimes	United States Of America	Patent Application Serial No.	15/491,454	, filed on	April19 2017 ,
П	PCT Application Serial No.	filed on			
whic	h claim(s) its earliest priority to App			, filed	on .
	For valuable consideration, the re		nereby acknowled		
obligat	ion of assignment to assignee, which			· ·	•
	assign, and transfer unto PIONEER			inized and e	disting under the laws of the
	of Iowa in the United States of Am				
	on, Iowa 50131-1014, herein referr				·
) the entire right, title, and interest				tent"), (2) any priority rights
	d from such aforesald application(s)				
	national Convention") and any other				
	ational Convention or other treaty				
my inv	entions, whether joint or sole, dis	closed in such aforesaid applicat	ion(s) for Patent,	and/or relat	ed to or arising out of such
afores	aid application(s) for Patent ("Inve	entions"), (4) any and all applic	cations for Patent	for any suc	h Inventions in any country
whatso	pever, including all provisional,	non-provisional, divisional, re	newal, substitut	e, continua	tion, continuations-in-part,
interna	ational and convention application	ns based in whole or in part up	on such aforesai	d application	n(s) for Patent and/or such
Invent	ions, (5) any and all patents for ar	ny such inventions in any country	/ whatsoever, inc	luding any ar	nd all reexams, reissues and
	ions of any patent based in whole				
	tire right to (1) file such applicatio	• • • •			
	ntion or any other treaty or underst				
	narks of the United States of Americ				
	ald patents to said assignee in accord				
	and all infringements thereof, who				
be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned without this assignment;					
II. Agree, whenever assignee asks, without further compensation but at assignee's expense for actual and reasonable costs incurred,					
	to communicate to said assignee,		•	•	
Inventions or the rights described above, (B) to testify in any legal proceeding respecting such Inventions or the rights described above,					
the location of that testimony to be in the country in which I reside or in the nearest country in which such testimony is legal should					
my country of residence prohibit such testimony, (C) to execute all applications, papers or instruments necessary or required by said					
assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument, including					
petitions, specifications, oaths, assignments, disclaimers, and lawful affidavits in form and substance which may be requested by said assignee and (D) generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain,					
	in, defend and enforce patent prot				
	present, warrant and covenant that				
is not pre-dated by any grant, license, or other right heretofore given by me to any party other than the assignee hereto; IV. Agree that my grants and obligations herein shall also bind all of my heirs, executors, administrators, legal representatives, and					
assigns		tierent stidit diso bitto dit of tity to	ens, executors, a	uminustrator	s, legal representatives, and
_	ree that an authorized representa	ative of accionage is hareby gran	stad the newer t	a incort in t	his assignment one fouther
	ication which may be necessary or				
	of any other country for recordation				
	ition number and filing date when k		power to insert	ni tilis assign	ment information regarding
• •			data indicated by		d a anna alima alifa 337 ani 3 ani 3
	ness Whereof, I have executed this		•		_
Assign	ment shall be effective as of the ear	nest priority date for the aforesaid	application(s) for	Letters Pate	ent.
		*	Å		
	TATE A CYTE TO A 2 4 3 5 0 TO	(Indiana	4	110	70-7017
	TAKASHI YAMAMOTO		~		70-2017
	Name of Inventor 7	Signature of Inventor		Date	

PATENT **REEL: 067152 FRAME: 0900**

RECORDED: 04/18/2024