504007007 09/15/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4053664

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LORI LISA CARRIGAN	03/21/2016
STEVEN PAUL KING	03/14/2016
JOSEPH SZALMA	03/30/2016
MATTHEW DAVID WALCH	03/17/2016

RECEIVING PARTY DATA

Name:	PIONEER HI-BRED INTERNATIONAL, INC.		
Street Address:	7100 NW 62ND AVE		
City:	JOHNSTON		
State/Country:	IOWA		
Postal Code:	50131		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15086393

CORRESPONDENCE DATA

Fax Number: (515)535-6883

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: 515-535-0647

Email: ipsupport@pioneer.com
Correspondent Name: LYNDA FITZPATRICK
Address Line 1: 7250 NW 62ND AVE
Address Line 4: JOHNSON, IOWA 50131

ATTORNEY DOCKET NUMBER:	7038-US-NP
NAME OF SUBMITTER:	LYNDA M. FITZPATRICK
SIGNATURE:	/Imfitzpatrick/
DATE SIGNED:	09/15/2016

Total Attachments: 6

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		WORLDWIDE ASSIGNI			
l, the u subject	indersigned <u>LORI LISA CARRIGAN</u> : matter of which is described in th	hereby declare that I am an inverse application for patent (Attorney	itor of an invention Docket No: <u>7038</u>	sh entitled <u>(</u> <u>US-NP</u>	VAIZE HYBRID X85H793 the
	declaration executed on				
	United States Of America	Patent Application Serial No.	15/086393	, filled on	March 31, 2016
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- luud - kadhilini	k elaimiet its parlipet priority to As	ofication Serial No.		, filed	ps
366 5 5 5 7 7 1	Ehr which canelder that	plication Serial No. receipt and adequacy of which is h	ereby acknowlede	ed, and in fi	ulfillment of my pre-existing
obligat L Sell	ion of assignment to assignee, wh assign, and transfer unto PIONEEP	ich is hereby scknowledged, I herei I HI-BRED INTERNATIONAL, INC., a	by: corporation orga:	nzed and ex	isting under the laws of the
State o	if lowa in the United States of Ar	nerica and having its principal pla	ce of business at	7100 NW 6	2 ¹⁸ Avenue, P.O. Box 1014,
Johnst	on, lowa 50131-1014, herein refer	red to as the assignee, and to assig	nee's successors a	ind assigns,	
(A	I the entire right, title, and intere	est in and to: (1) the aforesaid app	dication(s) for Let	tjers Patent	("Patent"), (2) any priority
rights o	derived from such aforesald applic tv ("International Convention") (tation(s) for Parent by virtue of the and any other treaty or understa	International Co. nding for intellec	wention for tual proper	the Protection of Industrial ty for any and all member
countr	ies of the International Conventio	in or other treaty or understandin	g, including rights	.in any and	all provisional applications,
(3) an	ly and all of my inventions, wheth	ner joint är säle, disclosed in such	aforesaid applica	tion(s) for f	Patent, and/or related to or
arising	out of such aforesaid application	s) for Patenti ("Inventions"), (4) 3	iny and all applica	tions for Pa	tent for any such inventions
isi any	country whatsoever, including all	provisional, non-provisional, divisi	onal, renewal, su	sittaute, cor	minuation, continuations in-
part, n	nternational and convention appli	cations based in whole or in part (ipon such aforesa	id application	on(s) for Patent and/or such
invent	ions, (5) any and all patents for a	my such inventions in any country	whatsoever, incli	ading any ar	nd all reexams, reissues and
extens	ions of any patent based in whole	or in part upon such aforesaid ap	plication(s) for Let	ters Patent	and/or such inventions; (b)
the en	tire right to (1) file such applicati	ons in its name or in my name, (2) file such applica	reons under	the storesaid international
Conve	ntion or any other fresty or unde	rstanding, (3) have said patents gr	anted in its name	or mine, u	16 Commissioner or esterio
and Tr	ademarks of the United States of	America and any counterpart in ar	iv other patent of	nce being n	elega animoused to pour o
transfe	er all of said patents to said assign	iee in accordance herewith, and (a) enforce said pa	gento ano se	the same or received by control
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II. Agr	ee, whenever assignee asks, with:	out further compensation but at as	signee s expense i	or ectual an	a reasoning tools according
(A	d) to communicate to said assigne	e, its successors, assigns, and lega	representatives,	any races of	town to the suspensing agest
invent	ions or the rights described abov	e, (8) to testify in any legal proce	eong respendig	sach myen	and some sacremann is family
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should	I my country of residence prohibit	such testimony, (C) to execute all	appiications, papi	NS OF HEALTH	menta medicany to response
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includ	ing petitions, specifications, catr	is, assignments, disclaimers, and	lewin silingvitz	arva na un Historia an	consider arrives and local
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regare	sing application number and filing	General Solitoria de Santonosa.	anan in di makadi kwa	Landania	A assena finar tirle liktrinificijalista
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	LORI LISA CARRIGAN			- 20	12/2014
	Name of Inventor 1	Signature of Inventor	A THE THE PARTY OF	Uate	
			Riteria.		

		WORLDWIDE ASSIGN	MENT		
	ndersigned <u>STEVEN PAUL KING</u> , he	-			MAIZE HYBRID X85H793 the
	matter of which is described in the	application for patent (Attorney	Docket No: 7038	3-US-NP)	
	declaration executed on				
\boxtimes	United States Of America	Patent Application Serial No.			
	PCT Application Serial No.	filed on	4 22 - 22		
which	claim(s) its earliest priority to Appli	ication Serial No.		, filed o	on .
	For valuable consideration, the rec	ceipt and adequacy of which is h	ereby acknowled	ged, and in fu	ulfillment of my pre-existing
-	on of assignment to assignee, which	,	•		
	ssign, and transfer unto PIONEER H				
	f Iowa in the United States of Ame				2''" Avenue, P.O. Box 1014,
	n, Iowa 50131-1014, herein referred	=-			tun i in in in
	the entire right, title, and interest				
	erived from such aforesaid applicati				
	y ("International Convention") and	-			
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	r and all of my inventions, whether out of such aforesaid application(s)				
	ountry whatsoever, including all pro				
	ternational and convention applicat				
•	ons, (5) any and all patents for any	•	7		
	ons of any patent based in whole or				
the ent	ire right to (1) file such applications	s in its name or in my name, (2) file such applic	ations under	the aforesaid International
Conven	tion or any other treaty or understa	anding, (3) have said patents gi	ranted in its nam	e or mine, th	e Commissioner of Patents
and Tra	demarks of the United States of Am	nerica and any counterpart in ar	ny other patent o	ffice being he	reby authorized to issue or
	all of said patents to said assignee				
	nages for any and all infringements				
said pat	ents may be granted, as fully and e	entirely as the same would have	e been held and o	enjoyed by th	e undersigned without this
assignm	•				
	e, whenever assignee asks, without				
	to communicate to said assignee, if		·		
	ins or the rights described above, (
	the location of that testimony to be				
	ny country of residence prohibit suc assignee, its successors, assigns ar				
	g petitions, specifications, oaths, a				
	ed by said assignee and (D) gener				
	ntatives to obtain, maintain, defend				
with ass		and control protects protection.			
	resent, warrant and covenant that I	have the full right and lawful as	uthority to make	this assignme	nt, that such assigned right
	e-dated by any grant, license, or oth				
	ee that my grants and obligations he				
assigns;		·			
V. Agre	ee that an authorized representati	ive of assignee is hereby gran	ted the power to	o insert in th	is assignment any further
identific	ation which may be necessary or de	esirable to comply with the rule	es of the U.S. Pat	ent and Trad	emark Office or the patent
office o	f any other country for recordation	on of this Assignment, includir	ng the power to	insert on th	is assignment information
regardir	ig application number and filing date	e when known.			
In Witn	ess Whereof, I have executed this V	Worldwide Assignment on the c	late indicated by	my hand and	agree that this Worldwide
Assignn	ent shall be effective as of the earlie	est priority date for the aforesaid	application(s) for	r Letters Pater	nt.
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	STEVEN PAUL KING) ~ ()	<u> </u>	171	7/1//16
1999	Name of Inventor 2	Signature of Inventor/		Date	

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in fulfillment of a pre-existing obligation of assignment, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, as indicated below, unto

PIONEER HI-BRED INTERNATIONAL, INC. 7100 NW 62nd Avenue P.O. Box 1014 Johnston, Iowa 50131-1014

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 all plant breeding and research inventions, including all Maize Hybrid and Maize Inbred inventions, and including all improvements to said inventions ("Inventions")

as set forth in this United States Patent Application

	executed concurrently	herewith
	executed on	
X	Serial No. 15/086393 file	ed March 31, 2016

including all provisional, non-provisional, divisional, renewal, substitute, continuation, continuation-in-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

ASSIGNMENT

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 grants an authorized representative of Assignee the power to insert in this Assignment any further identification for any invention 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.

ASSIGNMENT

I, Joseph Szalma, hereby declare that I am a citizen of the United States and residing at 5607 Reef Road, Mentor-On-The-Lake, OH 44060-2537 and that I am executing and signing the assignment to which this is attached as sole heir of the estate of Stephen J. Szalma (Case No. 34-PR-14-20):					
	1100, -				
Stephen Joseph Szalma	Signature: John Sydney	Date:			
	By Joseph Skalma in his capacity as sole 3/30/2010				
	heir of the estate of Stephen Joseph				
	Szalma				

I, Joseph Szalma, hereby declare that I am a citizen of the United States and residing at 5607 Reef Road, Mentor-On-The-Lake, OH 44060-2537 and that I am executing and signing the assignment to which this is attached as sole heir of the estate of Stephen J. Szalma (Case No. 34-PR-14-20).

That, upon information and belief, I aver those facts that the inventor is required to state.

Date: 3/30/2016

Signature of Sole Heir: fresh S Sydmyr

24315892.1

WORLDWIDE ASSIGNMENT

	WORLDWIDE ASSIGN	<u>IVIENI</u>	
		inventor of an invention entitled \underline{MAIZE}	<u> 1YBRID X85H793</u>
the subject matter of which is describ	ed in the application for patent (Attor	ney Docket No: 7038-US-NP)	
declaration executed on			
United States Of America	Patent Application Serial No.	15/086393 , filed on <u>March 31</u>	l, 2016,
PCT Application Serial No.	filed on		
which claim(s) its earliest priority to		, filed on	•
For valuable consideration, t	he receipt and adequacy of which is h	ereby acknowledged, and in fulfillment of	f my pre-existing
obligation of assignment to assignee,	· · · · · · · · · · · · · · · · · · ·	•	
		corporation organized and existing under	
		ce of business at 7100 NW 62 nd Avenue	, P.O. Box 1014,
Johnston, Iowa 50131-1014, herein re			(2)
		plication(s) for Letters Patent ("Patent"),	
		e International Convention for the Protect	
		nding for intellectual property for any a g, including rights in any and all provision	
		aforesaid application(s) for Patent, and	
• • • •	•	any and all applications for Patent for any	
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) file such applications under the aforesa	
		anted in its name or mine, the Commiss	
and Trademarks of the United States	of America and any counterpart in ar	ny other patent office being hereby autho	orized to issue or
transfer all of said patents to said ass	ignee in accordance herewith, and (4	4) enforce said patents and to sue for and	d recover profits
and damages for any and all infringer	ments 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	e been held and enjoyed by the undersign	ned without this
assignment;			
	•	signee's expense for actual and reasonable	
		representatives, any facts known to me	
		eding respecting such Inventions or the	
		or in the nearest country in which such to	
•		applications, papers or instruments neces rry into effect any of the provisions of	
		lawful affidavits in form and substance	
		to aid said assignee, its successors, as	
		for such Inventions and/or secure title to	
with assignee;	iciena ana emoree patem protestion	To such medically array or secure director	
	that I have the full right and lawful a	uthority to make this assignment, that suc	ch assigned right
		e to any party other than the assignee her	
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assigns; and			
V. Agree that an authorized repres	entative of assignee is hereby gran	ted the power to insert in this assignm	ient any further
identification which may be necessar	y or desirable to comply with the rul	es of the U.S. Patent and Trademark Offic	ce or the patent
office of any other country for reco	ordation of this Assignment, including	ng the power to insert on this assignm	ent information
regarding application number and filir	ng date when known.		
In Witness Whereof, I have executed	this Worldwide Assignment on the o	date indicated by my hand and agree that	this Worldwide
Assignment shall be effective as of the	e earliest priority date for the aforesaid	application(s) for Letters Patent.	
	Ma	1111	
MATTHEW DAVID WALCI	H IMMO W.	J-17-16	_
Name of Inventor 4	Signature of Inventor	Date	

PATENT REEL: 039756 FRAME: 0890

RECORDED: 09/15/2016