PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3152058

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS R. MERTZ JR.	07/09/2012
SAURABH PARIKH	07/09/2012
JULIE OERMANN	07/09/2012
TRACEY HODGE	06/28/2012
BRYAN WITHERBEE	07/30/2012

RECEIVING PARTY DATA

Name:	MONSANTO TECHNOLOGY LLC
Street Address:	800 NORTH LINDBERGH BOULEVARD
City:	ST. LOUIS
State/Country:	MISSOURI
Postal Code:	63167

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14406849

CORRESPONDENCE DATA

Fax Number: (314)231-4342

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: 3143457000

Email: uspatents@senniger.com
Correspondent Name: SENNIGER POWERS LLP
Address Line 1: 100 NORTH BROADWAY

Address Line 2: 17TH FLOOR

Address Line 4: ST. LOUIS, MISSOURI 63102

ATTORNEY DOCKET NUMBER: MTC58785.USN (ACW/AXJ)				
NAME OF SUBMITTER:	ANITA JURIC			
SIGNATURE:	/anita juric/			
DATE SIGNED:	12/17/2014			

Total Attachments: 7 source=02521781#page1.tif

PATENT 503105451 REEL: 034530 FRAME: 0617

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PATENT REEL: 034530 FRAME: 0618

ASSIGNMENT

WHEREAS, We, Thomas R. Mertz, Jr. of Urbandale, IA, Saurabh Parikh of Chesterfield, MO, Julie Oermann of St. Louis, MO, Tracey Hodge of St. Charles, MO, and Bryan Witherbee of St. Peters, MO, have invented an improvement in LYSIS BUFFER AND METHODS FOR EXTRACTION OF DNA FROM PLANT MATERIAL (46-21(58785)A/US; MTC 58785) described in a U.S. provisional patent application assigned Serial No. 61/662,602, filed June 21, 2012;

AND, WHEREAS, Monsanto Technology LLC of St. Louis,
Missouri, a corporation of the State of Delaware (hereinafter
referred to as "ASSIGNEE") is desirous of acquiring certain
rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, we have agreed to and do hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest, including the right to claim priority, in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States application, any other United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said United States application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country which have been or may be

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PATENT REEL: 034530 FRAME: 0619 granted on any of the aforesaid applications or on said invention or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us had no sale and assignment of said interest been made;

AND We hereby authorize and request the Director of the United States Patent and Trademark Office of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEE;

AND We hereby jointly and severally agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

and our respective legal representatives that we have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed our right, title and interest in said invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

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PATENT REEL: 034530 FRAME: 0620

IN WITNESS WHEREOF,	we have hereunto set our hands.
7-9-12	A.M.A.
Date	Thomas R Mertz, Jr.
	0
STATE OF Missouri	
COUNTY OF St. Louis)	
On this & day of	T. J. 2012 before me

On this \underline{g} day of \underline{July} , 2012, before me, a Notary Public, personally appeared Thomas R. Mertz, Jr. to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Notary Public

My Commission Expires:

MICHELLE R. BECKER
Notary Public-Notary Seal
State of Missouri, St Charles County
Commission # 10401127
My Commission Expires Aug 29, 2014

9th	JULY	2012
Dat	е	

	au
Saurabh '	Parikh

STATE OF Missouri)
COUNTY OF St. Louis)

On this 9 day of 50/4, 2012, before me, a Notary Public, personally appeared Saurabh Parikh to me known to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal and the date and year last above written.

Notary Public

My Commission Expires:

MICHELLE R. BECKER
Notary Public-Notary Seal
State of Missouri, St Charles County
Commission # 10401127
My Commission Expires Aug 29, 2014

7/9/2012 Date	
Date	Dermann
STATE OF <u>Missouri</u>)	
STATE OF <u>Missouri</u>) COUNTY OF <u>St. Louis</u>)	
On this 9 day of July Public, personally appeared Jul person described, in and who exand acknowledged that she execudeed.	, 2012, before me, a Notary ie Oermann to me known to be the ecuted, the foregoing assignment ted same as her free act and
IN TESTIMONY WHEREOF, I had and the date and year last above	ve hereunto set my hand and seal e written.
Notary	Public
My Commission Expires:	MICHELLE R. BECKER Notary Public-Notary Seal State of Missouri, St Charles County Commission # 10401127 My Commission Expires Aug 29, 2014

06/28/2012	
'Dat'e	

Muly L Dodge Tracey flodge

STATE OF MISSOURY
COUNTY OF SH. LOVIS

On this 28 day of 3000, 2012, before me, a Notary Public, personally appeared Tracey Hodge to me known to be the person described, in and who executed, the foregoing assignment and acknowledged that she executed same as her free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal and the date and year last above written.

Notary Public

My Commission Expires:

MICHELLE R. BECKER
Notary Public-Notary Seal
State of Missouri, St Charles County
Commission # 10401127
My Commission Expires Aug 29, 2014

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Bryan Witherbee

COUNTY OF St. Louis

On this 30 day of 50/y, 2012, before me, a Notary Public, personally appeared Bryan Witherbee to me known to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal and the date and year last above written.

Notary Public

My Commission Expires:

MICHELLE R. BECKER
Notary Public-Notary Seal
State of Missouri, St Charles County
Commission # 10401127
My Commission Expires Aug 29, 2014

ACW/axj