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	United States Patent and Trademark Office
	U.S. Department of COMMERCE

5089-000016/US/DVC

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1. Name of conveying party(ies)/Execution Date(s): DEPPERMANN, Kevin L. Name: Monsanto Technology LLC Internal Address: GO Street Address: GO N. Lindbergh Blvd. City: St. Louis	1. Name of conveying party(ies)/Execution Date(s): DEPPERMANN, Kevin L Name	' - [To the Director of the U.S. Patents and Trademark 1,03333	5783 ocuments or the new address(es) below.
DEPPERMANN, Kevin L. Name: Monsanto Technology LLC Internal Address: 300 N. Lindbergh Blwd. 31. Nature of conveying party(ies) attached? Yes No	DEPPERMANN, Kevin L. Name: Monsanto Technology LLC Section Marker Monsanto Technology LLC Internal Address: 800 N. Lindbergh Bivd Marker	1		
Execution Date(s) 05/28/2003 Additional name of conveying party(ies) attached? Yes No Street Address: 800 N. Lindbergh Blvd. Street Address: 800 N. Lindbergh Blvd.	Execution Date(s) 05/28/2003 Additional name of conveying party(ies) attached? Yes No 3. Nature of conveyance:	~		J. ,
Execution Date(s) 05/28/2003 Additional name of conveying party(ies) attached? Yes No Street Address: 800 N. Lindbergh Blvd. Street Address: 800 N. Lindbergh Blvd.	Execution Date(s) 05/28/2003 Additional name of conveying party(ies) attached? Yes No 3. Nature of conveyance:		DEPPERMANN, Kevin L.	Name: Monsanto Technology LLC
Execution Date(s) 05/28/2003 Additional name of conveying party(ies) attached? Yes No Street Address: 800 N. Lindbergh Blvd. Street Address: 800 N. Lindbergh Blvd.	Execution Date(s) 05/28/2003 Additional name of conveying party(ies) attached? Yes No 3. Nature of conveyance:			Internal Address:
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3. Nature of conveyance: Assignment	3. Nature of conveyance: Assignment		Additional name of conveying party(les) attached? Yes No	Street Address: 800 N. Lindbergh Blvd.
Security Agreement Change of Name State: Missouri Country: United States Zip: 63167 Additional Name(s) & address(es) attached? Yes ⊠ No	Security Agreement Change of Name State: Missouri Country: United States Zip: 63167 Additional Name(s) & address(es) attached? Yes ⋈ No 4. Application number(s) or patent number(s):		3. Nature of conveyance:	
Security Agreement	State: Missouri Government Interest Assignment Government Interest Assignment Country: United States Zip: 63167 Additional Name(s) & address(es) attached? ☐ Yes ☒ No 4. Application number(s) or patent number(s): A Patent Application No.(s) A Patent Application No.(s) B. Patent No.(s) 11/09/2006 FNETEKI1 00000051 11594099 04 FC: 8021 5. Name and address of party to whom correspondence concerning this document should be mailed: Name: _James E. Davis Internal Address: _Harness. Dickey & Pierce. P.L.C. Street Address: _7700 Bonhomme Avenue Suite 400 City: St. Louis State: Missouri Zip: 63105 Phone Number: _314-726-7501 Email Address: _idavis@hdp.com Signature Signature State: Missouri Country: United States Zip: 63167 Country: United States Zip: 63167 Additional Name(s) & address(es) attached? ☐ Yes ☒ No 8. Patent No.(s) 11/09/2006 FNETEKI1 00000051 11594099 4. Application numbers attached? ☐ Yes ☒ No 8. Total number of applications and patents involved: ☐1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 ☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account ☐ Authorized (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers			City: St. Louis
Executive Order 9424, Confirmatory License	Country: United States	Ì	☐ Security Agreement ☐ Change of Name	City. St. Louis
Other	Additional Name(s) & address(es) attached? \[\text{ Yes } \bigsize \text{ No} \] 4. Application number(s) or patent number(s): \Bigsize This document is being filed together with a new application. A. Patent Application No.(s) \Bigsize Patent No.(s) 11/09/2006 FNETEKI1 00000051 11594099 04 FC: 021		☐ Government Interest Assignment	State: Missouri
Additional Name(s) & address(es) attached? Yes No 4. Application number(s) or patent number(s): A. Patent Application No.(s) B. Patent No.(s) 11/09/2006 FNETEKI1 00000051 11594099 DA FC: 8021 Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning this document should be mailed: Name: James E. Davis Internal Address: Harness. Dickey & Pierce. P.L.C. Street Address: 7700 Bonhomme Avenue Suite 400 City: St. Louis State: Missouri Phone Number: 314-726-7500 Additional numbers attached? Yes No 6. Total number of applications and patents involved: 01 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date Expira	Additional Name(s) & address(es) attached? Yes No 4. Application number(s) or patent number(s): A. Patent Application No.(s) B. Patent No.(s) 11/09/2006 FRETEKI1 00000051 11594099 04 FC: 021 40.00 DR Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning this document should be mailed: Name: James E. Davis Internal Address: Hamess Dickey & Pierce. P.L. C. Street Address: 7700 Bonhomme Avenue Suite 400 City: St. Louis State; Missouri Zip: 63105 Phone Number: 314-726-7501 Email Address: jdavis@hdp.com 9. Signature Additional Name(s) & address(es) attached? Yes No B. Patent No.(s) 8. Total number of applications and patents involved: 01 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account None required (government interest not affecting title) 8. Payment information a. Credit Card Last 4 Numbers Expiration Date Da		☐ Executive Order 9424, Confirmatory License	Country: United States Zip: 63167
4. Application number(s) or patent number(s): A. Patent Application No.(s) B. Patent No.(s) 11/09/3006 FMETEKI1 00000051 11594099 140.00 0P Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning this document should be mailed: Name: James E. Davis Internal Address: Harness. Dickey & Pierce. P.L.C. Street Address: 7700 Bonhomme Avenue Suite 400 City: St. Louis State: Missouri Phone Number: 314-726-7500 This document is being filed together with a new application. B. Patent No.(s) 8. Patent No.(s) 6. Total number of applications and patents involved: O1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date	4. Application number(s) or patent number(s): A. Patent Application No.(s) B. Patent No.(s) 11/09/4006 FNETEKI1 00000051 11594099 04 FC: 6021 40,00 UR Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning this document should be mailed: Name: James E. Davis Internal Address: Harness. Dickey & Pierce. P.L.C. Street Address: 7700 Bonhomme Avenue Suite 400 City: St. Louis State: Missouri Fax Number: 314-726-7500 Fax Number: 314-726-7501 Email Address: jdavis@hdp.com 9. Signature This document is being filed together with a new application. B. Patent No.(s) 6. Total number of applications and patents involved: 01 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Sender Government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 08-0750 Authorized User Name Harness, Dickey & Pierce November 7, 2006			Additional Name(s) & address(se) - Heath 10 Tay (ST
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11/09/6006 FMETEKI1 00000051 11594099 14 FC: 2021 40.00 DR Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning this document should be mailed: Name: James E. Davis Internal Address: Harness. Dickey & Pierce. P.L.C. Street Address: 7700 Bonhomme Avenue Suite 400 City: St. Louis State: Missouri Phone Number: 314-726-7500 Additional numbers attached? Yes No 6. Total number of applications and patents involved: 1 Authorized to be charged by credit card Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date	11/09/3006 FMETEKI1 00000051 11594099 04 FC: 8021 40.00 0R Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning this document should be mailed: Name: James E. Davis Internal Address: Harness. Dickey & Pierce. P.L.C. Street Address: 7700 Bonhomme Avenue Suite 400 City: St. Louis State: Missouri Phone Number: 314-726-7500 Fax Number: 314-726-7501 Email Address: jdavis@hdp.com 9. Signature Additional numbers attached? Yes No 6. Total number of applications and patents involved: 01 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 08-0750 Authorized User Name Harness, Dickey & Pierce November 7, 2006		4. Application number(s) or patent number(s): ⊠	This document is being filed together with a new application.
A FC:8021 Additional numbers attached?	Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning this document should be mailed: Name: James E. Davis Internal Address: Harness, Dickey & Pierce, P.L.C. Street Address: 7700 Bonhomme Avenue Suite 400 City: St. Louis State: Missouri Fax Number: 314-726-7501 Email Address: jdavis@hdp.com Additional numbers attached? Yes No 6. Total number of applications and patents involved: 01 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 08-0750 Authorized User Name Harness, Dickey & Pierce 9. Signature November 7, 2006		A. Patent Application No.(s)	B. Patent No.(s)
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Internal Address: Harness. Dickey & Pierce, P.L.C. —————————————————————————————————	Internal Address: Harness. Dickey & Pierce. P.L.C. Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed Suite 400 City: St. Louis State: Missouri Phone Number: 314-726-7500 Fax Number: 314-726-7501 Email Address: jdavis@hdp.com Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 08-0750 Authorized User Name Harness, Dickey & Pierce 9. Signature November 7, 2006			7. Total fee (37 CFR 1 21(h) & 3.41) \$40.00
	Authorized to be charged to deposit account		Internal Address: Harness, Dickey & Pierce, P.L.C.	
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5. Deposit Account Number 06-0/30	9. Signature : November 7, 2006 Signature Date			
Authorized User Name <u>Harness, Dickey & Pierce</u>	Signature		Linaii Address Juavisi@nop.com	Authorized User Name Harness, Dickey & Pierce
9. Signature : November 7, 2006			9. Signature :	November 7, 2006
Signature				
	Name of Person Signing Total number of pages including cover sheet, attachments, and documents 04			sheet, attachments, and documents 04
	sheet, attachments, and documents 04			Total number of pages including cover sheet, attachments, and documents 04

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT APPLICATION

DOCKET NO.: 49202-00024USPT

ASSIGNMENT

WHEREAS, I, Kevin L. Deppermann, have invented certain new and useful improvements in

the following "SEED CORING SYSTEM AND METHOD FOR ARRANGING SEED CORES FOR ANALYSIS"

for which we have made application for United States Letters Patent, and;

WHEREAS, Monsanto Technology LLC, having its principal place of business at 800 N.

Lindbergh Blvd., St. Louis, MO 63167 (hereinafter referred to as "ASSIGNEE"), is desirous of

acquiring my entire right, title and interest in and to the invention, and in and to the said application and

any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and

valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I do hereby sell,

assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives my entire right,

title and interest in and to said invention and in and to said applications and all patents which may be

granted therefore, and all divisions, reissues, substitutions, continuations, continuation-in-part and

extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to

issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned,

to the said ASSIGNEE of my entire right, title and interest.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives

the full and exclusive rights, title and interest to the invention disclosed in said applications throughout

the world, including the right to file applications and obtain patents, utility models, industrial models and

designs for said invention in its own name throughout the world including all rights of priority, all rights

-1-

Dallas2 977694 v 1, 49202.00024

PATENT REEL: 018531 FRAME: 0353

PATENT APPLICATION

DOCKET NO.: 49202-00024USPT

to publish cautionary notices reserving ownership of said invention and all rights to register said

invention in appropriate registries; and

I further agree to execute any and all powers of attorney, applications, assignments, declarations,

affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest

in ASSIGNEE, its successors, assigns and legal representatives.

I hereby further agree that I will communicate to said ASSIGNEE, or its successors, assigns and

legal representatives, any facts known to me respecting any improvements; and, at the expense of said

ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional,

continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and

generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its

successors, assigns and legal representatives to obtain and enforce proper protection for said invention

in all countries.

I further authorize and direct our attorneys to insert below* the serial number and filing date of

said application now identified as Case Docket No. 49202-00024USPTas soon as the same shall have

been made known to them by the United States Patent Office.

*Serial Number: 10/444,939

Filing Date: ____ May 21, 2003

-2-

Dallas2 977694 v 1, 49202.00024

PATENT REEL: 018531 FRAME: 0354

PATENT APPLICATION DOCKET NO.: 49202-00024USPT

IN WITNESS W	HEREOF, I have hereunto set my hand and seal this 28th day of MAY,
<u>2003</u> .	Name: Kevin L. Deppermann Address: 25 Walnut Knoll Court St. Charles, MO 63304
State of Missouri County of Shours	§ \$ ss.: §
On this or the State and County person of the above name to be his own free act and	aforesaid, personally appeared Kevin L. Deppermann, known by me to be the who signed and sealed the foregoing instrument, and acknowledged the same
	<u>Cawl</u> D- Stemmle Notary Public
	My Commission Expires:
	CAROL D. STEMMLER Notary Public-Notary Seal State of Missouri St Louis County My Commission Expires Jul 16, 2005

Dallas2 977694 v 1, 49202.00024

RECORDED: 11/07/2006

-3-

PATENT REEL: 018531 FRAME: 0355