

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jun-Ying ZHANG	12/19/2008
Terry L. SMITH	01/16/2009
Haiyan ZHANG	12/19/2008
Jerome C. PORQUE	12/10/2008
Ding WANG	12/12/2008
John C. HULTEEN	12/19/2008
Lisa A. DICK	12/19/2008
RECEIVING PARTY DATA	
Name:	3M Innovative Properties Company
Street Address:	P.O. Box 33427
City:	St. Paul
State/Country:	MINNESOTA
Postal Code:	55133-3427
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12246514
CORRESPONDENCE DATA	
Fax Number:	(651)736-3833
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	651-733-1500
Email:	ksandvig@mmm.com
Correspondent Name:	3M INNOVATIVE PROPERTIES COMPANY
Address Line 1:	PO BOX 33427
Address Line 4:	ST. PAUL, MINNESOTA 55133-3427
ATTORNEY DOCKET NUMBER:	63507US005

CH \$40.00 12246514

500759202

PATENT
REEL: 022133 FRAME: 0512

NAME OF SUBMITTER:

Kathleen M. Sandvig

Total Attachments: 12

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ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

METHOD OF MAKING MICROARRAYS

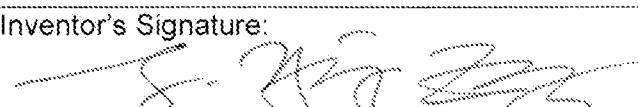
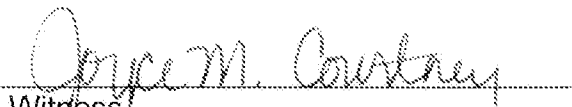
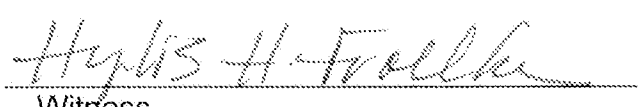
- ☐ for which an application for a United States Patent is being filed contemporaneously herewith;
- ☒ for which an application for a United States Patent identified as U.S. Patent Application No. 12/246514; was filed on October 7, 2008;
- ☐ which application is identified as PCT International Patent Application No. ; filed ;


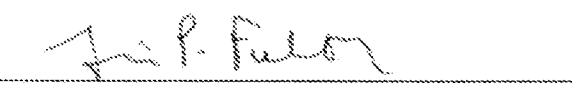
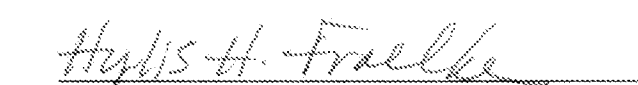
Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me/us had this assignment and transfer not been made;

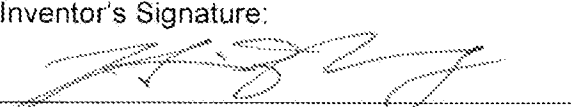
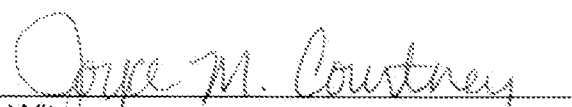
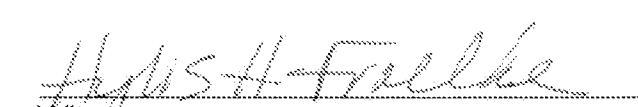
I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.


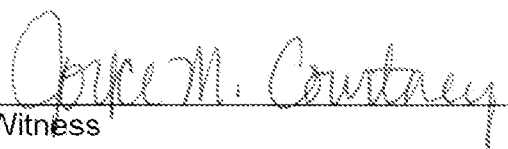
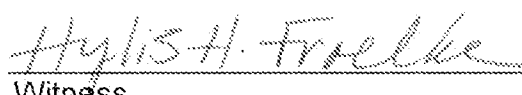
Given Name (first and middle [if any]): Jun-Ying	Family Name or Surname: ZHANG	
Inventor's Signature: 	Date: 12/18/08	
Residence: Woodbury, Minnesota	Country: USA	Citizenship: Great Britain
Witness  Joyce M. Courtney		Witness  Hyllis H. Fraulke

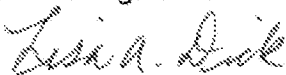
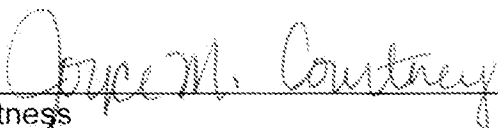
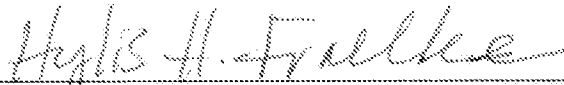
Given Name (first and middle [if any]): Terry L.	Family Name or Surname: SMITH	
Inventor's Signature: 	Date: 1/16/2009	
Residence: Roseville, Minnesota	Country: USA	Citizenship: United States of America
Witness  Terry L. Smith		Witness  Hyllis H. Fraulke

Given Name (first and middle [if any]): Haiyan	Family Name or Surname: ZHANG	
Inventor's Signature: 	Date: 12/19/08	
Residence: Woodbury, Minnesota	Country: USA	Citizenship: United States of America
Witness  Joyce M. Courtney		Witness  Hyllis H. Fraulke

Given Name (first and middle [if any]): Jerome C.	Family Name or Surname: PORQUE	
Inventor's Signature:	Date:	
Residence: Bridgewater, New Jersey	Country: USA	Citizenship: France
<div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div>_____ Witness</div> <div>_____ Witness</div> </div>		

Given Name (first and middle [if any]): Ding	Family Name or Surname: WANG	
Inventor's Signature:	Date:	
Residence: Austin, Texas	Country: USA	Citizenship: People's Republic of China
<div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div>_____ Witness</div> <div>_____ Witness</div> </div>		

Given Name (first and middle [if any]): John C.	Family Name or Surname: HULTEEN	
Inventor's Signature: 	Date: 12/19/08	
Residence: Afton, Minnesota	Country: USA	Citizenship: United States of America
<div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div> _____ Witness</div> <div> _____ Witness</div> </div>		

Given Name (first and middle [if any]): Lisa A.		Family Name or Surname: DICK	
Inventor's Signature: 		Date: 19 Dec 2008	
Residence: Afton, Minnesota		Country: USA	Citizenship: United States of America
 _____ Witness		 _____ Witness	

ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

METHOD OF MAKING MICROARRAYS

- ☐ for which an application for a United States Patent is being filed contemporaneously herewith;
- ☒ for which an application for a United States Patent identified as U.S. Patent Application No. 12/246514; was filed on October 7, 2008;
- ☐ which application is identified as PCT International Patent Application No. ; filed ;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me/us had this assignment and transfer not been made;

I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and


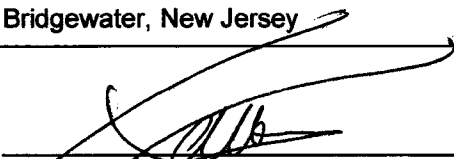
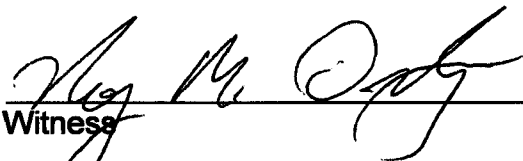
I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]): Jun-Ying		Family Name or Surname: ZHANG	
Inventor's Signature:		Date:	
Residence: Woodbury, Minnesota		Country: USA	Citizenship: Great Britain
_____ Witness		_____ Witness	

Given Name (first and middle [if any]): Terry L.		Family Name or Surname: SMITH	
Inventor's Signature:		Date:	
Residence: Roseville, Minnesota		Country: USA	Citizenship: United States of America
_____ Witness		_____ Witness	

Given Name (first and middle [if any]): Haiyan		Family Name or Surname: ZHANG	
Inventor's Signature:		Date:	
Residence: Woodbury, Minnesota		Country: USA	Citizenship: United States of America
_____ Witness		_____ Witness	

Given Name (first and middle [if any]): Jerome C.		Family Name or Surname: PORQUE	
Inventor's Signature: 		Date: 12/16/2008	
Residence: Bridgewater, New Jersey		Country: USA	Citizenship: France
Witness: 		Witness: 	

Given Name (first and middle [if any]): Ding		Family Name or Surname: WANG	
Inventor's Signature:		Date:	
Residence: Austin, Texas		Country: USA	Citizenship: People's Republic of China
Witness:		Witness:	

Given Name (first and middle [if any]): John C.		Family Name or Surname: HULTEEN	
Inventor's Signature:		Date:	
Residence: Afton, Minnesota		Country: USA	Citizenship: United States of America
Witness:		Witness:	

Given Name (first and middle [if any]): Lisa A.		Family Name or Surname: DICK	
Inventor's Signature:		Date:	
Residence: Afton, Minnesota		Country: USA	Citizenship: United States of America
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Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me/us had this assignment and transfer not been made;

I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

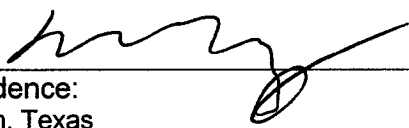
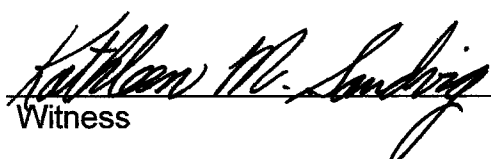
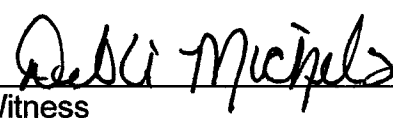
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Inventor's Signature:		Date:	
Residence: Woodbury, Minnesota		Country: USA	Citizenship: Great Britain
<hr/> Witness		<hr/> Witness	

Given Name (first and middle [if any]): Terry L.	Family Name or Surname: SMITH	
Inventor's Signature:	Date:	
Residence: Roseville, Minnesota	Country: USA	Citizenship: United States of America
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Given Name (first and middle [if any]): Haiyan	Family Name or Surname: ZHANG	
Inventor's Signature:	Date:	
Residence: Woodbury, Minnesota	Country: USA	Citizenship: United States of America
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Given Name (first and middle [if any]): Jerome C.		Family Name or Surname: PORQUE	
Inventor's Signature:		Date:	
Residence: Bridgewater, New Jersey		Country: USA	Citizenship: France
<div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%; border-top: 1px solid black; text-align: center;">Witness</div> <div style="width: 45%; border-top: 1px solid black; text-align: center;">Witness</div> </div>			

Given Name (first and middle [if any]): Ding		Family Name or Surname: WANG	
Inventor's Signature: 		Date: 12/12/08	
Residence: Austin, Texas		Country: USA	Citizenship: People's Republic of China
<div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%; border-top: 1px solid black; text-align: center;">  Kathleen M. Ludwig Witness </div> <div style="width: 45%; border-top: 1px solid black; text-align: center;">  Qishi Michels Witness </div> </div>			

Given Name (first and middle [if any]): John C.		Family Name or Surname: HULTEEN	
Inventor's Signature:		Date:	
Residence: Afton, Minnesota		Country: USA	Citizenship: United States of America
<div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%; border-top: 1px solid black; text-align: center;">Witness</div> <div style="width: 45%; border-top: 1px solid black; text-align: center;">Witness</div> </div>			

Given Name (first and middle [if any]): Lisa A.		Family Name or Surname: DICK	
Inventor's Signature:		Date:	
Residence: Afton, Minnesota		Country: USA	Citizenship: United States of America
<div style="display: flex; justify-content: space-between; margin-top: 100px;"> <div style="width: 45%; border-top: 1px solid black; text-align: center;">Witness</div> <div style="width: 45%; border-top: 1px solid black; text-align: center;">Witness</div> </div>			