

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the Assignee is incorrectly identified previously recorded on Reel 023736 Frame 0265. Assignor(s) hereby confirms the Assignment.

**CONVEYING PARTY DATA**

Name	Execution Date
Jay WOHLGEMUTH	12/01/2004
Kirk FRY	12/01/2004
Robert WOODWARD	12/02/2004
Ngoc LY	12/01/2004
James PRENTICE	12/01/2004
MacDonald MORRIS	12/10/2004
Steven ROSENBERG	12/16/2004

**RECEIVING PARTY DATA**

<b>Name:</b>	Expression Diagnostics, Inc., dba XDx, Inc.
<b>Street Address:</b>	750 Gateway Boulevard, Suite H
<b>City:</b>	South San Francisco
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94080

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	12544182

**CORRESPONDENCE DATA**

Fax Number: (415)268-7522  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: (415) 268-6237  
 Email: marcim@mofo.com  
 Correspondent Name: Michael R. Ward  
 Address Line 1: Morrison & Foerster LLP  
 Address Line 2: 425 Market Street  
 Address Line 4: San Francisco, CALIFORNIA 94105-2482

**CH \$40.00 12544182**

ATTORNEY DOCKET NUMBER:	506612000106
NAME OF SUBMITTER:	Michael R. Ward
Total Attachments: 5 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=cover sheet#page1.tif source=cover sheet#page2.tif	

<b>PATENT ASSIGNMENT</b>
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Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Jay Wohlgemuth	12/01/2004
Kirk Fry	12/01/2004
Robert Woodward	12/02/2004
Ngoc Ly	12/01/2004
James Prentice	12/01/2004
MacDonald Morris	12/10/2004
Steven Rosenberg	12/16/2004
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	XDx, Inc.
<b>Street Address:</b>	3260 Bayshore Blvd.
<b>City:</b>	Brisbane
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94005
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12544182
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)268-7522
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	(415) 268-6832
<b>Email:</b>	jhollrah@mofo.com
<b>Correspondent Name:</b>	Jillian Pesin-Fulop

PATENT

<b>Address Line 1:</b> 425 Market Street	
<b>Address Line 2:</b> Morrison & Foerster LLP	
<b>Address Line 4:</b> San Francisco, CALIFORNIA 94105	
<b>ATTORNEY DOCKET NUMBER:</b>	506612000106
<b>NAME OF SUBMITTER:</b>	Jillian Pesin-Fulop
<b>Signature:</b>	/Jillian Pesin-Fulop/
<b>Date:</b>	01/05/2010
<b>Total Attachments: 3</b> source=506612000106asn#page1.tif source=506612000106asn#page2.tif source=506612000106asn#page3.tif	
<b>RECEIPT INFORMATION</b>	
<b>EPAS ID:</b>	PAT1078395
<b>Receipt Date:</b>	01/05/2010
<b>Fee Amount:</b>	\$40

PATENT

ASSIGNMENT  
JOINT

THIS ASSIGNMENT, by

**Jay WOHLGEMUTH**, 1165 Monte Rosa Drive, Menlo Park, CA 94025,  
**Kirk FRY**, 2604 Ross Road, Palo Alto, CA 94303,  
**Robert WOODWARD**, 116 Monaco Court, Pleasanton, CA 94566,  
**Ngoc LY**, 2000 Crystal Springs Road 15-14, San Bruno, CA 94066,  
**James PRENTICE**, 14 Niles Road, Autsin, TEXAS 78703,  
**MacDonald MORRIS**, 34 Lloyd Drive, Atherton, CA 94027, and  
**Steven ROSENBERG**, 2323 Bywood drive, Oakland, CA 94682

respectively, (hereinafter referred to as the assignors) witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in **METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING TRANSPLANT REJECTION**, set forth in a patent application filed in the United States Patent and Trademark Office on October 19, 2004 bearing serial number 10/511,937.

WHEREAS, **EXPRESSION DIAGNOSTICS, INC.**, a corporation of Delaware, dba **XDx, Inc. in California**, and having its principal place of business at **Suite H, 750 Gateway Boulevard, South San Francisco, CA 94080**, (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, provisional patent application and application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all conversions, divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

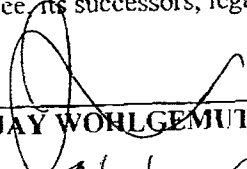
AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the provisional patent application above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, provisional patent application, or said application for Letters Patent, or any

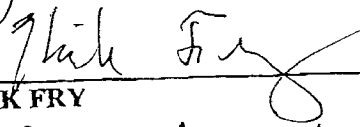
proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.


12/1/04  
Date

  
JAY WOHLGEMUTH

12/1/04  
Date

  
KIRK FRY

12/2/04  
Date

  
ROBERT WOODWARD

12/1/04  
Date

  
NGOCLY

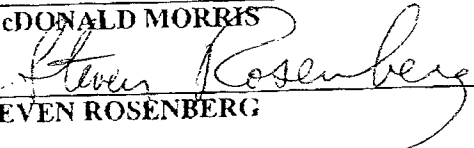
12/1/04  
Date

  
JAMES PRENTICE

Date

MacDONALD MORRIS

12/16/09  
Date

  
STEVEN ROSENBERG

proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

\_\_\_\_\_  
Date JAY WOHLGEMUTH

\_\_\_\_\_  
Date KIRK FRY

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Date ROBERT WOODWARD

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Date NGOC LY

\_\_\_\_\_  
Date JAMES PRENTICE

\_\_\_\_\_  
Date 12/10/04 MacDONALD MORRIS

\_\_\_\_\_  
Date STEVEN ROSENBERG