

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jeffrey LaBelle</td> <td>01/16/2013</td> </tr> <tr> <td>Ugur Demirok</td> <td>07/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jeffrey LaBelle	01/16/2013	Ugur Demirok	07/15/2013
Name	Execution Date						
Jeffrey LaBelle	01/16/2013						
Ugur Demirok	07/15/2013						
RECEIVING PARTY DATA							
Name:	Arizona Board of Regents, a body corporate of the State of Arizona Acting for and on behalf of Arizona State University						
Street Address:	1475 North Scottsdale Road, Suite 200						
City:	Scottsdale						
State/Country:	ARIZONA						
Postal Code:	85257						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13809387</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13809387		
Property Type	Number						
Application Number:	13809387						
CORRESPONDENCE DATA							
Fax Number:	5207702237						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	520-770-8700						
Email:	alice.vanicek@quarles.com						
Correspondent Name:	QUARLES & BRADY LLP Attn: IP Docket						
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ATTORNEY DOCKET NUMBER:	112624.00360						
NAME OF SUBMITTER:	Gavin J. Milczarek-Desai						
Signature:	/Gavin J. Milczarek-Desai/						
Date:	07/30/2013						
Total Attachments: 2 source=Assignments#page1.tif source=Assignments#page2.tif							

CH \$40.00 13809387

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, JEFFREY LABELLE, (Assignor) of Phoenix, Arizona, have sold, assigned, and transferred, and do hereby sell, assign, and transfer unto ARIZONA BOARD OF REGENTS, a body corporate of the State of Arizona Acting for and on behalf of Arizona State University (Assignee), a non-profit organization of the State of Arizona, having its principal office in Scottsdale, State of Arizona, United States of America, and its successors, assigns, and legal representatives, the entire right, title, and interest in and to certain invention(s) entitled METHODS AND DEVICE FOR TUNING MULTIPLEXED MARKERS FOR DISEASE ASSAY, which is described, illustrated, and claimed in an application for Letters Patent of the United States of America, Application No. 13/809,387, filed on January 9, 2013, claiming the benefit of U.S. Patent Application No. 61/363,394, filed July 12, 2010, and International Patent Application No. PCT/US2011/043652, filed July 12, 2011, together with the entire right, title and interest in and to any Letters Patent which may be issued upon said application, and in and to any continuation, division, reissue, reexamination, extension, renewal, or substitute thereof, and in and to any patent which may grant from such application.

I hereby authorize and request all government authorities in any country to issue patent(s) upon the aforesaid application, continuation, division, reissue, reexamination, extension, renewal, or substitute, to Assignee, for the sole use and behalf of Assignee, its successors, assigns, and legal representatives, to the full end of the term for which the patent(s) may be granted, the same as they would have been held and enjoyed by me had this assignment not been made.

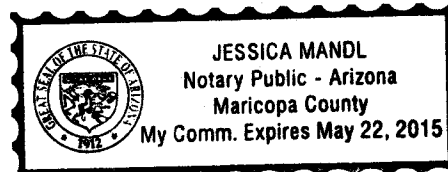
I agree that, when requested, I will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient for securing and maintaining patents for the invention(s) in any and all countries and for vesting title thereto in Assignee, its successors, assigns, and legal representatives or nominees.

I covenant with Assignee, its successors, assigns, and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license, or other encumbrance.

JL  
Signature by: Jeffrey LaBelle

1/16/13  
Date

STATE OF ARIZONA )  
COUNTY OF Maricopa )



I, Jessica Mandl, a Notary Public in and for the County and State aforesaid, do hereby certify that JEFFREY LABELLE, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 16th day of January, 2013.

Jessica Mandl  
Signature of Notary

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, UGUR DEMIROK, (Assignor) of Phoenix, Arizona, have sold, assigned, and transferred, and do hereby sell, assign, and transfer unto ARIZONA BOARD OF REGENTS, a body corporate of the State of Arizona Acting for and on behalf of Arizona State University (Assignee), a non-profit organization of the State of Arizona, having its principal office in Scottsdale, State of Arizona, United States of America, and its successors, assigns, and legal representatives, the entire right, title, and interest in and to certain invention(s) entitled METHODS AND DEVICE FOR TUNING MULTIPLEXED MARKERS FOR DISEASE ASSAY, which is described, illustrated, and claimed in an application for Letters Patent of the United States of America, Application No. 13/809,387, filed on January 9, 2013, claiming the benefit of U.S. Patent Application No. 61/363,394, filed July 12, 2010, and International Patent Application No. PCT/US2011/043652, filed July 12, 2011, together with the entire right, title and interest in and to any Letters Patent which may be issued upon said application, and in and to any continuation, division, reissue, reexamination, extension, renewal, or substitute thereof, and in and to any patent which may grant from such application.

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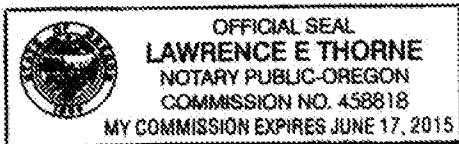
Signature by: [Handwritten Signature]  
Ugur Demirok

Date 7/15/13

STATE OF Oregon  
COUNTY OF Washington

I, Lawrence E. Thorne, a Notary Public in and for the County and State aforesaid, do hereby certify that UGUR DEMIROK, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 15th day of July, 2013.



[Handwritten Signature]  
Signature of Notary