

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
<b>CONVEYING PARTY DATA</b>																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Corey D. Braastad</td> <td>06/27/2007</td> </tr> <tr> <td>Narasimhan Nagan</td> <td>07/02/2007</td> </tr> <tr> <td>Jeffrey G. Jones</td> <td>06/29/2007</td> </tr> <tr> <td>William K. Seltzer</td> <td>06/26/2007</td> </tr> <tr> <td>Susan Allen</td> <td>06/27/2007</td> </tr> <tr> <td>Sat Dev Batish</td> <td>06/29/2007</td> </tr> <tr> <td>Hui Zhu</td> <td>06/26/2007</td> </tr> </tbody> </table>		Name	Execution Date	Corey D. Braastad	06/27/2007	Narasimhan Nagan	07/02/2007	Jeffrey G. Jones	06/29/2007	William K. Seltzer	06/26/2007	Susan Allen	06/27/2007	Sat Dev Batish	06/29/2007	Hui Zhu	06/26/2007
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<b>RECEIVING PARTY DATA</b>																	
Name:	Athena Diagnostics, Inc.																
Street Address:	377 Plantation Street																
City:	Worcester																
State/Country:	MASSACHUSETTS																
Postal Code:	01605																
<b>PROPERTY NUMBERS Total: 1</b>																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13487358</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13487358												
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<b>CORRESPONDENCE DATA</b>																	
Fax Number:	9783410136																
Phone:	978-341-0036																
Email:	katie.norris@hbsr.com																
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																	
Correspondent Name:	Doreen M. Hogle																
Address Line 1:	530 Virginia Road, P.O. Box 9133																
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Address Line 4:	Concord, MASSACHUSETTS 01742-9133																

CH \$40.00 13487358

ATTORNEY DOCKET NUMBER:	0856.2050-007
NAME OF SUBMITTER:	Katie Norris
Total Attachments: 5 source=08562050007ASG#page1.tif source=08562050007ASG#page2.tif source=08562050007ASG#page3.tif source=08562050007ASG#page4.tif source=08562050007ASG#page5.tif	

JointASSIGNMENT

WHEREAS, we, Corey D. Braastad, Narasimhan Nagan, Jeffrey G. Jones, William K. Seltzer, Susan Allen, Sat Dev Batish and Hui Zhu, have invented a certain improvement in METHODS OF DETECTING MUTATIONS ASSOCIATED WITH ATAXIA-OCULAR APRAXIA 2 (AOA2) described in an application for Patent,

- the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. 11/656,350, filed January 22, 2007;
- the specification of which is a Patent Cooperation Treaty Application, International Application No. [ ], filed [ ], which designates the United States of America [and assigned United States Application No. [ ]];
- which was patented under United States Patent No. [ ].

WHEREAS, Athena Diagnostics, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 377 Plantation Street, Worcester, Massachusetts 01605 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: [Signature]  
Corey D. Braastad

State/Commonwealth of MA  
County of Worcester

On this 27<sup>TH</sup> day of JUNE 2007, before me, the undersigned notary public, personally appeared Corey D. Braastad,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public Jane Pepler  
JANE PEPLER (print name)  
My Commission expires 10 / 04 / 2013

Inventor's Signature: \_\_\_\_\_

*Narasimhan*

Narasimhan Nagan

State/Commonwealth  
of MASSACHUSETTS  
County of WORCESTER

On this 2<sup>nd</sup> day of JULY 2007, before me, the undersigned notary public, personally appeared Narasimhan Nagan,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public \_\_\_\_\_

*Jane Pepler*

JANE PEPLER (name)

Notary Public

My Commission expires  Commonwealth of Massachusetts  
My Commission Expires  
October 4, 2013

Inventor's Signature: \_\_\_\_\_

*Jeffrey G. Jones*

Jeffrey G. Jones

State/Commonwealth  
of MASSACHUSETTS  
County of WORCESTER

On this 29<sup>th</sup> day of JUNE 2007, before me, the undersigned notary public, personally appeared Jeffrey G. Jones,

personally known to me, or

proved to me through satisfactory evidence of identification, which was


to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public \_\_\_\_\_

*Jane Pepler*

(print name)

My Commission expires  JANE PEPLER  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
October 4, 2013

Inventor's Signature: \_\_\_\_\_

William K. Seltzer  
William K. Seltzer

State/Commonwealth  
of Massachusetts  
County of Worcester

On this 26 day of June 2007 before me, the undersigned notary public, personally appeared William K. Seltzer,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public

Jane Pepler  
JANE PEPLER (print name)

My Commission expires 10/04/2013

Inventor's Signature: \_\_\_\_\_

Susan Allen  
Susan Allen

State/Commonwealth  
of MA  
County of Worcester

On this 27<sup>TH</sup> day of JUNE 2007 before me, the undersigned notary public, personally appeared Susan Allen,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public

Jane Pepler  
JANE PEPLER (print name)

My Commission expires 10/04/2013

Inventor's Signature: Sat Dev Batish  
Sat Dev Batish

State/Commonwealth  
of MASSACHUSETTS  
County of WORCESTER

On this 29<sup>TH</sup> day of JUNE 2007, before me, the undersigned notary public, personally appeared Sat Dev Batish,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/shē signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public Jane Pepler  
JANE PEPLER  
Notary Public

My Commission expires  Commonwealth of Massachusetts  
My Commission Expires  
October 4, 2013

Inventor's Signature: Hui Zhu  
Hui Zhu

State/Commonwealth  
of Massachusetts  
County of Worcester

On this 26<sup>TH</sup> day of JUNE 2007, before me, the undersigned notary public, personally appeared Hui Zhu,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was


to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public Jane Pepler  
(print name)

My Commission expires      /      /     

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 JANE PEPLER  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
October 4, 2013