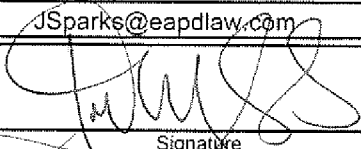


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3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>in parentheses after inventor name</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>11/992,000</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Jonathan M. Sparks, Ph.D.</u> <u>EDWARDS ANGELL PALMER & DODGE</u> <u>LLP</u> Internal Address: <u>Atty. Dkt.: 64161(71699)</u> Street Address: <u>P.O. Box 55874</u> City: <u>Boston</u> State: <u>MA</u> Zip: <u>02205</u> Phone Number: <u>(617) 517-5543</u> Fax Number: <u>(888) 325-9838</u> Email Address: <u>JSparks@eapdlaw.com</u>	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
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9. Signature: <div style="text-align: center; margin-top: 20px;">  Signature </div> <div style="text-align: center; margin-top: 10px;"> <u>May 12, 2009</u> Date </div> <div style="text-align: center; margin-top: 10px;"> <u>Jonathan M. Sparks, Ph.D. - 53,624</u> Name of Person Signing </div> <div style="text-align: right; margin-top: 10px;"> Total number of pages including cover sheet, attachments, and documents: </div>	

CH \$40.00 041105 11992000

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 11th day of May, 2009, by Zhen Zhang; Daniel W. Chan; and Carolyn N. Rosenzweig (hereinafter referred to as Assignors), residing at 14104 Big Branch Drive, Dayton, Maryland 21036; 12925 Wexford Park, Clarksville, Maryland 21029; and 5526 Hilltop Avenue, Baltimore, Maryland 21206, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in BIOMARKER FOR PROSTATE CANCER, set forth in a Patent application for which was filed on March 12, 2008 and assigned Application Serial No. 11/992,000, which application claims the benefit of International Application No. PCT/US2006/036538 filed on September 19, 2006, PCT/US2006/036538 and U.S. Provisional Application No. 60/718,843 filed on September 19, 2005; and

WHEREAS, The Johns Hopkins University, a University organized under and pursuant to the laws of Maryland having its principal place of business at 3400 N. Charles Street, Baltimore, Maryland 21218 (hereinafter referred to as 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 of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors legal

representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that 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, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will 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 any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

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

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 49383

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.


Zhen Zhang

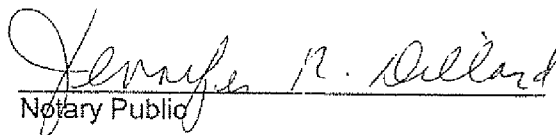
Date: May 11, 2009

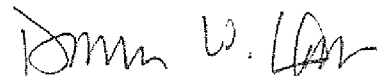
United States of America

State of Maryland) ss.:

County of Howard)

On this 11th day of May, 2009, before me personally came Zhen Zhang, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public



Daniel W. Chan

Date: May 11, 2009United States of America }
State of Maryland } ss.:
County of Howard }

On this 11 day of May, 2009, before me
personally came Daniel W. Chan, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.


Notary Public

Carolyn N. Rosenzweig
Carolyn N. Rosenzweig

Date: May 8, 2009

United States of America)
State of Maryland) ss.:
County of Hackford)

On this 8 day of May, 2009, before me
personally came Carolyn N. Rosenzweig, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

Deborah L. Dougherty
Notary Public

PTO/SB/97 (09-04)

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Application No. (if known): 11/992,000

Attorney Docket No.: 64161(71699)

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Patent Number

Inventor: Zhen Zhang et al.

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FROM: EDWARDS ANGELL PALMER & DODGE LLP
Jonathan M. Sparks, Ph.D.

PHONE: (617) 517-5543

Attorney Dkt. #: 64161(71699)

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