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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5237834

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                                |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                                    |
| <b>CONVEYING PARTY DATA</b>   |   |
| <b>Name</b>   | <b>Execution Date</b>                         |
| CONOR L. EVANS  | 05/17/2016                                    |
| W. PETER HANSON   | 06/30/2016                                    |
| ROBERT A. HOFFMAN   | 05/12/2016                                    |
| PETRA B. KRAULEDAT  | 06/30/2016                                    |
| DANIEL W. CRAMER  | 05/09/2016                                    |
| <b>RECEIVING PARTY DATA</b>   |   |
| <b>Name:</b>  | THE GENERAL HOSPITAL CORPORATION              |
| <b>Street Address:</b>  | 55 FRUIT STREET                               |
| <b>City:</b>  | BOSTON  |
| <b>State/Country:</b>   | MASSACHUSETTS                                 |
| <b>Postal Code:</b>   | 02114   |
| <b>PROPERTY NUMBERS Total: 2</b>  |   |
| <b>Property Type</b>  | <b>Number</b>                                 |
| <b>Application Number:</b>  | 62131382                                      |
| <b>Application Number:</b>  | 15556998                                      |
| <b>CORRESPONDENCE DATA</b>  |   |
| <b>Fax Number:</b>  | (414)271-3552                                 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |   |
| <b>Phone:</b>   | 4142775000                                    |
| <b>Email:</b>   | patents@quarles.com,angela.schulz@quarles.com |
| <b>Correspondent Name:</b>  | QUARLES & BRADY LLP                           |
| <b>Address Line 1:</b>  | 411 E. WISCONSIN AVENUE                       |
| <b>Address Line 4:</b>  | MILWAUKEE, WISCONSIN 53202                    |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 125141.01980                                  |
| <b>NAME OF SUBMITTER:</b>   | ANGELA N. SCHULZ                              |
| <b>SIGNATURE:</b>   | /Angela N. Schulz/                            |
| <b>DATE SIGNED:</b>   | 11/14/2018                                    |
| <b>Total Attachments: 5</b>   |   |

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ASSIGNMENT

WHEREAS, the undersigned have/has made certain inventions which are described in PCT/US2016/022066 filed March 11, 2016, for Letters Patent of the United States, entitled PLASMONIC NANOPARTICLE IMMUNOASSAY METHOD, which claims benefit of US 62/131,382 filed March 11, 2015; and

WHEREAS, THE GENERAL HOSPITAL CORPORATION (hereafter referred to as Company), a non-profit corporation of the Commonwealth of MASSACHUSETTS having a place of business at 55 FRUIT STREET, BOSTON MASSACHUSETTS 02114 is desirous of acquiring the entire interest in said inventions throughout the United States of America and the territories thereof, for all other countries and under all international agreements,

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, receipt whereof is hereby acknowledged, the undersigned hereby sell(s), assign(s) and transfer(s) unto said Company, its successors and assigns, the entire right, title and interest throughout the United States of America and the territories thereof, for all foreign countries and under all international agreements in and to said inventions, the aforesaid application, all other applications hereafter filed in the United States, in any other country, or under any international agreement based in whole or in part on said inventions, and all Letters Patents granted upon said applications by the United States, by any other country or under any international agreement, and do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Company.

The undersigned further grant to said Company, its successors and assigns, the right to claim for any of said applications the full benefits and priority rights of any international agreement between the United States and any foreign country or countries of between any other countries. The undersigned hereby warrant(s) that they/(s)he have/has the full right to make the conveyance herein, and hereby covenant(s) that the heirs, legal representatives and assigns of the undersigned, will when requested, communicate to said Company, its representatives, successors and assigns, all facts known respecting said inventions, execute all divisional, continuing, reissue, reexamination and foreign or international applications, together with individual assignment therefore, make all rightful oaths, sign all lawful papers, testify in any legal proceeding and generally do everything possible to aid said Company, its successors and assigns, in the obtaining of Letters Patent.

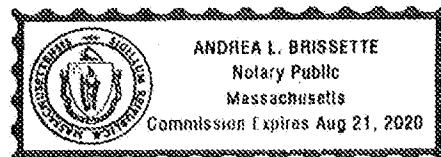
IN TESTIMONY WHEREOF, the undersigned have hereunto executed this assignment at the location and on the date indicated below.

Signature: [Handwritten Signature] STATE OF: MA  
Name: Conor L. Evans COUNTY OF: Suffolk

Before me on this 17th day of May, 2016, came Conor L. Evans, to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution therefore to be his/her free act and deed.

(SEAL)

[Handwritten Signature]  
Notary Public,  
State of Massachusetts  
My Commission Expires: August 21, 2020



Signature: W. Peter Hansen

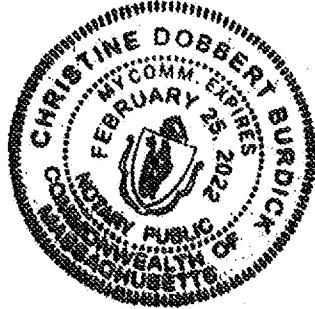
STATE OF: Massachusetts

Name: W. Peter Hansen

COUNTY OF: Berkshire

Before me on this 30<sup>th</sup> day of June, 2016, came W. Peter Hansen, to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution therefore to be his/her free act and deed.

(SEAL)



Christine Doberst Burdick

Notary Public,

State of Massachusetts

My Commission Expires: 22522

Signature: Robert A. Hoffman

STATE OF: California

Name: Robert A. Hoffman

COUNTY OF: Alameda

*present*  
Before me on this 12<sup>th</sup> day of May, 2016, came Robert A. Hoffman, to me known to be the person named in the foregoing assignment and he/~~she~~ acknowledges his/her execution therefore to be his/her free act and deed.

(SEAL)

[Signature]  
Notary Public,  
State of California  
My Commission Expires: March 10<sup>th</sup> 2018.



Signature: *Petra B. Krauledat*

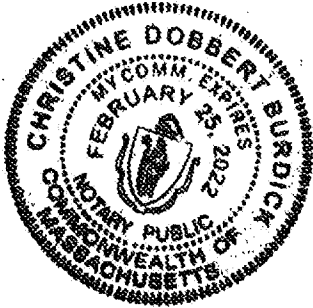
STATE OF: Massachusetts

Name: Petra B. Krauledat

COUNTY OF: Berkshire

Before me on this 20th day of June, 2016, came Petra B. Krauledat, to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution therefore to be his/her free act and deed.

(SEAL)



*Christine Dobbert Burdick*

Notary Public,

State of Massachusetts

My Commission Expires: 2-25-22

Signature: Daniel W Cramer STATE OF: MA

Name: Daniel W. Cramer COUNTY OF: Suffolk

Before me on this 9th day of MAY, 2016, came Daniel W. Cramer, to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution therefore to be his/her free act and deed.

(SEAL)

Berardette Aidonichis

Notary Public, Berardette Aidonichis

State of MA

My Commission Expires: 8/20/21

