504422516 06/20/2017

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| HELEN BLACKWELL | 04/01/2008 |
| GRANT GESKE | 04/01/2008 |
| JENNIFER O'NEILL | 04/01/2008 |

RECEIVING PARTY DATA

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| State/Country: | WISCONSIN | |
| Postal Code: | 53726 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14328515 |

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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| ATTORNEY DOCKET NUMBER: | P07404US03 |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | MEREDITH NORIEGA |
| SIGNATURE: | /Meredith Noriega/ |
| DATE SIGNED: | 06/20/2017 |

Total Attachments: 4

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> **PATENT** REEL: 042760 FRAME: 0157 504422516

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PATENT REEL: 042760 FRAME: 0158

ASSIGNMENT (Joint Inventors)

I am one of the persons identified as an inventor and who has contributed to a new and useful invention (the "Invention") described in the provisional or utility United States patent application and/or the patent application filed under the Patent Cooperation Treaty, as identified below. These patent application(s) are identified as follows:

| Filing Type | Filing Country | Serial Number | Filing Date |
|-------------------------------------|------------------------|-------------------------|---------------------|
| | | | |
| | IETHODS FOR MODULATIN | G COMMUNICATION AND | VIRULENCE IN QUORUM |
| SENSING BACTERIA | | | |
| PRV | UNITED STATES | 60/895598 | March 19, 2007 |
| COMPOUNDS AND M SENSING BACTERIA | ETHODS FOR MODULATIN | G COMMUNICATION AND | VIRULENCE IN QUORUM |
| PAT | UNITED STATES | 12/051826 | March 19, 2008 |
| COMPOUNDS AND M SENSING BACTERIA | METHODS FOR MODULATIN | G COMMUNICATION AND | VIRULENCE IN QUORUM |
| PCT | W.I.P.O. (IS PCT) | PCT/US2008/057562 | March 19, 2008 |
| MODULATION OF BA | ACTERIAL QUORUM SENSII | NG WITH SYNTHETIC LIGAL | NDS |

For good and valuable consideration, the receipt of which I hereby acknowledge, I do hereby sell, assign, and transfer to the Wisconsin Alumni Research Foundation ("WARF"), a non-stock, non-profit, Wisconsin corporation, and to its legal representatives, successors and assigns, my entire right, title and interest in and to the Invention and to all United States provisional and utility applications as well as foreign patents or patent applications any of which cover all or part of the Invention. WARF shall hold such right, title and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I further agree, upon WARF's request, to execute any documents, including any separate assignments, declarations or other legal documents, that WARF may find necessary or desirable in its exercise of the right, title and interest assigned above. I further agree to communicate to WARF any facts relating either to the Invention or to any of the patent or patent applications based on the Invention that might be useful to WARF and to testify about any such facts in any interferences or litigation, if requested by WARF to do so. I shall do the above acts without additional compensation but at no expense to me.

Should the application number of any of the patent applications referenced above be unavailable the date that I execute this document, WARF is authorized by me to insert the application number and filing dates of these patent applications into this document. WARF is also specifically authorized to record this document as evidence of my assignment to WARF of any subsequent United States patent application claiming priority from any of the above identified patent applications.

Ref: P07404US03

Wisconsin Alumni Research Foundation

PATENT REEL: 042760 FRAME: 0159

| ASSIGNMENT | |
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| Wisconsin Alumni Research Foundation | |
| Ref: P07404US | |
| App.#: 12/051826, Filed: 3-19-2008 | |
| Inventor: | Date: 4/1/08_ |
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| Helen M. Blackwell | |
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| madelon, we book | |
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| County of Dane | |
| On this | "Inventor," who executed the |
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| SEAL DILY Charen | |
| Notary Public | ······································ |
| My Commission expires: 1/ - 13- | 2011 |

| ASSIGNMENT | | |
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| Wisconsin Alumni R | esearch Foundation | |
| Ref: P07404US | | |
| App.#: 12/051826, Fi | iled: 3-19-2008 | |
| Inventor: Grant D. Gesl | | Date: 4/1/08 |
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| Madison, WI | 1 53719 | |
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| County of Dane |) | |
| Geske, known to me | to be the person identified above: | fore me personally appeared Grant D. as the "Inventor," who executed the above cuted the same for the uses and purposes |
| SEAL | Bett Ellen | ver 1 |
| ·, | Notary Public | ······································ |
| | | في من سين |
| | My Commission expires: | <u> 11-2011 - </u> |

Inventor:

Jennifer C. O'Neill
941A Eagle Heights
Madison, WI 53705

State of Wisconsin
)
ss.
County of Dane

On this 127 day of All, 2008 before me personally appeared Jennifer C.
O'Neill, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public

My Commission expires:

PATENT REEL: 042760 FRAME: 0162

RECORDED: 06/20/2017

ASSIGNMENT

Ref: P07404US

Wisconsin Alumni Research Foundation

App.#: 12/051826, Filed: 3-19-2008