

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4529591

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| URI GALILI | 12/22/2009 |
| RECEIVING PARTY DATA | |
| Name: | UNIVERSITY OF MASSACHUSETTS |
| Street Address: | 225 FRANKLIN STREET, 12TH FLOOR |
| City: | BOSTON |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 02110 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15494017 |
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| <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> | |
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| ATTORNEY DOCKET NUMBER: | UMASS-W-18588 |
| NAME OF SUBMITTER: | ABBY EVERSON |
| SIGNATURE: | /abby everson/ |
| DATE SIGNED: | 08/01/2017 |
| Total Attachments: 2 | |
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| source=assign16334div#page1.tif | |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------|
| Form PTO-1595 | RECORDATION FORM COVER SHEET | | U.S. Department of Commerce Patent and Trademark Office |
| PATENTS ONLY | | | |
| To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. | | | |
| 1. Name of conveying party(ies): Galili, Uri | 2. Name and address of receiving party(ies): University of Massachusetts 225 Franklin Street, 12th Floor Boston, Massachusetts 02110 | | |
| Additional name(s) of conveying party(ies) attached? No | Additional name(s) & address(es) attached? No | | |
| 3. Nature of conveyance: Assignment Execution Date: December 22, 2009 | | | |
| 4. Title of Invention: Compositions and Methods for Increasing Immunogenicity of Glycoprotein Vaccines | | | |
| A. New Patent Application No.(s): 15/494,017 | B. Patent No.(s): N.A. | | |
| Additional numbers attached? No | | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Peter G. Carroll MEDLEN & CARROLL, LLP 1440 Broadway, Suite 1010 Oakland, California 94612 | 6. Total number of applications and patents involved: 1 | | |
| | 7. Total fee(s): Payment in the amount of \$40 is submitted (\$40 Recordation fee). | | |
| | 8. Deposit Account Authorization: The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 08-1290 . | | |
| DO NOT USE THIS SPACE | | | |
| 9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> | | | |
| Date: <u>July 31, 2017</u> | Signature: <i>Mahattamdan</i> | | |
| | Name: Maha A. Hamdan | | |
| | Reg. No.: 43,655 | | |

In accordance with C.F.R. 1.63(d)(iv), the attached Assignment is to be used for Divisional Appln Entitled: Compositions and Methods for Increasing Immunogenicity of Glycoprotein Vaccines. Filed: 4/25/2017. Application No.: 15/494,817. Docket No. UMSSW-18588

PATENT Attorney Docket No.: UMSSW-16334

ASSIGNMENT

WHEREAS, I, Uri Galili, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Compositions and Methods for Increasing Immunogenicity of Glycoprotein Vaccines

Filing Date: 9/23/2009 Serial No.: 12/450,384

WHEREAS, University of Massachusetts Medical School herein after referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

Uri Galili 12/22/2009 GALILI, Uri Date

STATE OF Massachusetts)) ss. COUNTY OF Worcester)

On this 22nd day of December, in the year of 2009, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.

Angela F. Muse NOTARY PUBLIC

SEAL

ANGELA F. MUSE Notary Public My Commission Expires: February 25, 2011