504680018 12/11/2017

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| RUN CHANG | 12/12/2016 |
| KEERTHANA SUBRAMANIAN | 12/12/2016 |
| MIAN WANG | 12/12/2016 |
| THOMAS WEBSTER | 12/08/2016 |

RECEIVING PARTY DATA

| Name: | NORTHEASTERN UNIVERSITY |
|-----------------|-------------------------|
| Street Address: | 360 HUNTINGTON AVENUE |
| City: | BOSTON |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 02115 |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 15832194 | |

CORRESPONDENCE DATA

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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.

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| ATTORNEY DOCKET NUMBER: | NEX-02701 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | SANDRA RICHARDS |
| SIGNATURE: | /SANDRA RICHARDS/ |
| DATE SIGNED: | 12/08/2017 |

Total Attachments: 6

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PATENT 504680018 REEL: 044347 FRAME: 0882

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PATENT REEL: 044347 FRAME: 0883

ASSIGNMENT BY INVENTOR

Whereas, we, Run Chang, being a citizen of China, residing at 181 Lake Shore Rd, APT #1, Brighton, MA; Keerthana Subramanian, being a citizen of India, residing at 91 Westland Ave, Apt 705, Boston, MA; Mian Wang, being a citizen of the China, residing at 520 Main St, Apt 1508, Malden, MA; and Thomas Webster, being a citizen of United States of America, residing at 7 Terrace Drive, Barrington, RI (hereinafter referred to as Assignors); are the inventors of certain new and useful inventions and discoveries, for which we have made an application for Letters Patent entitled "Heparin-Binding Cationic Peptide Functionalized Self-Assembling Peptide Amphiphiles As Antibacterial Agents Against Drug-Resistant Bacteria" which patent application was filed in the United States Patent and Trademark Office on December 6, 2016 and assigned 62/430,906; and

WHEREAS, Northeastern University, having its principal place of business at 360 Huntington Avenue, Boston, Massachusetts 02115, USA (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, for and in consideration of good and valuable consideration furnished by ASSIGNEE to us, receipt and sufficiency of which we hereby acknowledge, that Assignor has 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

PATENT REEL: 044347 FRAME: 0884 entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants 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, Assignor is the sole and lawful owner 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 Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor 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 their successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Provisional 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 Assignor hereby requests 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 Assignor hereby grants 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:

PATENT REEL: 044347 FRAME: 0885

NORTHEASTERN UNIVERSITY

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

IN THE TESTIMONY WHEREOF I have hereunto set my signature on the date indicated below.

Date: 12/12/2016

Run Chang

WITNESS SIGNATURE: Patricia Tellman

WITNESS PRINTED NAME: PATRICIA TROTMAN

IN THE TESTIMONY WHEREOF I have hereunto set my signature on the date indicated below.

Date: 12/12/2016

Keerthana Subramanian

WITNESS SIGNATURE: Patricia Telloman

WITNESS PRINTED NAME: PATRICIA TROTMAN

| IN THE TESTIMONY WHEREOF I have | ve hereunto set my signature on | the date indicated |
|---------------------------------|---------------------------------|--------------------|
| below. | , | |
| Date: 121121206 | Mian Wang | |
| WITNESS SIGNATURE: Catai | i TeAmen | |
| WITNESS PRINTED NAME: PATA | RILLA - RUTMAN | |

IN THE TESTIMONY WHEREOF I have hereunto set my signature on the date indicated

below.

Date: 12/8//

Thomas Webster

WITNESS SIGNATURE: Patricia Troman

WITNESS PRINTED NAME: PATRICIA TROTMAN