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| N | | | ame | Execution Date | |
| Timothy Kuan-Ta Lu | | | | 02/01/2009 | |
| RECEIVING PARTY DATA | | | | | |
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| PROPERTY NUMBERS Total: 1 | | | | | |
| Property Type | | | Number | | |
| Application Number: 12337 | | 12337 | 677 | | |
| Application Number: 12337677 CORRESPONDENCE DATA 12337677 | | | | | |
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| ATTORNEY DOCKET NUMBER: | | | 701586-060171-US BU07-83 | | |
| NAME OF SUBMITTER: | | | Maureen S. Melanson | | |
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ASSIGNMENT *HEREAS*, I, Timothy Kuan-Ta Lu, a United States citizen, residing at 632 *Massachusetts Ave., Apt. #612, Cambridge, MA 02139, have invented certain new and useful improvements in ENGINEERED ENZYMATICALLY ACTIVE BACTERIOPHAGE AND METHODS FOR DISPERSING BIOFILMS, which can be found in U.S. Serial Number* z/1/0912/337,677, filed on December 18, 2008; and which claims the benefit of U.S. Provisional Application No. 61/014,518 filed on December 18, 2007;

AND WHEREAS, Massachusetts Institute of Technology, a Massachusetts corporation, with its principal place of business at 77 Massachusetts Avenue, Cambridge, MA 02139, desires to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Massachusetts Institute of Technology, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue Patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said Massachusetts Institute of Technology, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said Massachusetts Institute of Technology, its successors, legal representatives and assigns, any facts known to myself respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said Massachusetts Institute of Technology, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

> PATENT REEL: 022306 FRAME: 0170

The undersigned hereby grant(s) the law firm of Nixon Peabody LLP of 100 Summer Street, Boston, Massachusetts 02110, U.S.A. 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 U.S. Patent and Trademark, Office for recordation of this document.

IN WITNESS WHEREOF, I, Timothy Kuan-Ta Lu, hereunto set my signature this 1st day of <u>Febrikary</u>, 2009.

Timothy Kuan-Ta Lu

WITNESS . Kom MU

Signature

Michael J. Koenis

Printed name

PATENT REEL: 022306 FRAME: 0171

RECORDED: 02/25/2009

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