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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
Yuval OFIR	09/05/2008	
Vincent Martin ROTELLO	09/09/2008	
Mark Thomas TUOMINEN	09/09/2008	
Qijun XIAO	09/09/2008	
Bappaditya SAMANTA	09/05/2008	

RECEIVING PARTY DATA

Name:	THE UNIVERSITY OF MASSACHUSETTS
Street Address:	225 Franklin Street
City:	Boston
State/Country:	MASSACHUSETTS
Postal Code:	02110

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12193437

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NAME OF SUBMITTER: Leah M. Reimer, Ph.D.

PATENT

REEL: 021524 FRAME: 0479

Total Attachments: 2 source=2516884#page1.tif source=2516884#page2.tif

> PATENT REEL: 021524 FRAME: 0480

ASSIGNMENT

WHEREAS We, Yuval OFIR of 990 North Pleasant Street, Apt. F-9, Amherst, MA 01002, US; Vincent Martin ROTELLO of 39 Kendrick Place, Amherst, MA 01002, US; Mark Thomas TUOMINEN of 54 Montague Road, Shutesbury, MA 01072, US; Qijun XIAO of 666 North Pleasant Street, Amherst, MA 01002, US; and Bappaditya SAMANTA of 1040 N. Pleasant Street, #253, Amherst, MA 01002, US, (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in:

DIRECT INCIDENT BEAM LITHOGRAPHY FOR PATTERNING NANOPARTICLES, AND THE ARTICLES FORMED THEREBY

filed as U.S. Application No. 12/193,437 on August 20, 2008, which claims priority to U.S. Provisional Application No. 60/956,515, filed on August 17, 2007;

AND WHEREAS, THE UNIVERSITY OF MASSACHUSETTS, having a business address at 225 Franklin Street, Boston, MA 02110; is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and any Letters Patent to be obtained therefor (hereinafter referred to as ASSIGNEE);

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt of which is hereby acknowledged, We, the said ASSIGNORS have assigned and transferred, and hereby assign and transfer unto the said ASSIGNEE, the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application, and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to the said ASSIGNEE, an assignee of the entire right, title and interest in and to the same, for the sole use and behoof of ASSIGNEE, its successors and assigns; and We do hereby agree that the said ASSIGNEE, may apply for foreign Letters Patent on said invention and that We will execute all papers necessary in connection with the United States and

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foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that We will, at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 9/5/08	Yuval OFIR	L.S
Date: 9/8/08	Vincent Martin ROTELLO	L.S
Date: 9/9/08	Mark Thomas TUOMINEN	>L.S
Date: 9/9/2008	Qijun XIAO	L.S
Date: 09/05/2008	Bappaditya Samanta Bappaditya SAMANTA	L.S