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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies): A. Theodore H. Fedynyshyn B. Roderick R. Kunz C. Michael Sworin D. Roger Sinta
2. Name and address of receiving party(ies) Name: MASS INSTITUTE OF TECHNOLOGY Internal Address: Street Address: 77 Massachusetts Avenue City: Boston State: Massachusetts Zip: 02139
3. Nature of Conveyance: [x] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date: March 26, 2001

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: A. Patent Application No.(s): 09/791,252 B. Patent No.(s): Additional numbers attached? [ ] Yes [x] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Reza Mollaaghababa NUTTER, MCCLENNEN & FISH, LLP Internal Address: Atty. Dkt.: 101328-0155 Street Address: One International Place City: Boston State: MA Zip: 02110-2699
6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41) \$ 40.00 [x] Enclosed [ ] Authorized to be charged to deposit account
8. Deposit account number: 141449 (Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature. 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. Reza Mollaaghababa Name of Person Signing [Signature] Signature June 21, 2001 Date Total number of pages including cover sheet, attachments, and documents: 6

Recordation Form Cover Sheet I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Box Assignments, Commissioner for Patents, Washington, DC 20231, on the date shown below. Dated: June 21, 2001 Signature: [Signature] (Reza Mollaaghababa)

## ASSIGNMENT

Whereas I, the undersigned, Theodore H. Fedynyshyn, Roderick R. Kunz, Michael Sworin and Roger Sinta, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled **LOW ABSORBING RESISTS FOR 157 nm LITHOGRAPHY**, identified as Attorney Docket No. 101328-155, which application was executed by me on March 26, 2001, filed on February 23, 2001 and assigned Application No. 09/791,252. In the event that the execution date, filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys at Nutter, McClennen & Fish, LLP, One International Place, Boston, MA 02110-2699, to insert above the execution date, filing date and/or Application No. of said application.

Whereas, **Massachusetts Institute of Technology**, a **Massachusetts** corporation having a place of business at **77 Massachusetts Avenue, Cambridge, Massachusetts 02139**, a corporation having a place of business at, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which I have executed this Assignment as an instrument under seal on the dates indicated next to my name.

Dated: 3/26/01

Theodore H. Fedynyshyn  
Theodore H. Fedynyshyn

State or Commonwealth of Massachusetts

County of Middlesex

On this 26<sup>th</sup> day of March, 2001, before me appeared Theodore H. Fedynyshyn, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Stephen J. McAlamy  
Notary Public  
My Commission Expires: 7/19/07

[seal]

In testimony of which I have executed this Assignment as an instrument under seal on the dates indicated next to my name.

Dated: Mar 26, 2001

  
Roderick R. Kunz

State or Commonwealth of Massachusetts

County of Middlesex

On this 26<sup>th</sup> day of March, 2001, before me appeared Roderick R. Kunz, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

  
Notary Public  
My Commission Expires: 7/19/07

[seal]

In testimony of which I have executed this Assignment as an instrument under seal on the dates indicated next to my name.

Dated: March 26, 2001

Michael Sworin  
Michael Sworin

State or Commonwealth of Massachusetts

County of Middlesex

On this 26<sup>th</sup> day of March, 2001, before me appeared Michael Sworin, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Stephen J. McAloney  
Notary Public  
My Commission Expires: 2/19/07

[seal]

In testimony of which I have executed this Assignment as an instrument under seal on the dates indicated next to my name.

Dated: March 26, 2001   
Roger Sinta

State or Commonwealth of Massachusetts

County of Middlesex

On this 26<sup>th</sup> day of March, 2001, before me appeared Roger Sinta, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

  
Notary Public  
My Commission Expires: 7/19/07

[seal]

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