01-12-2000 FC:::M PTO-1595 U.S. DEPARTMENT OF COMMERCE R SHEET (Rev. 6-93) Patent and Trademark Office OMB No. 0651-0011 (exp. 4/94) 101242429 Lo local and attached original documents or copy thereof. Name and address of receiving party(ies) 1. Name of conveying party(ies): Name: Massachusetts Institute of Paul E. Laibinis, Namyong Y. Kim Technology Internal Address: Additional name(s) of conveying party(ies) attached?

Yes

No 12-5-99 3. Nature of conveyance: Street Address: 77 Massachusetts Avenue □ Merger M Assignment ☐ Security Agreement Change of Name City: Cambridge State: MA ZIP:02139 Other _____ Execution Date: 11/17/99 Additional name(s) & address(es) attached?

Yes

No Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) 09/293,258 Additional numbers attached? Q Yes X No. 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: Timothy J. Oyer, Esq. Name: WOLF, GREENFIELD & SACKS, P.C. 7. Total fee (37 CFR 3.41).....\$_____ Internal Address: M0925/7061 Enclosed 01/11/2000 JSHABAZZ 00000221 232825 09293258 Authorized to be charged to deposit account 01 FC:581 40.00 CH The Commissioner is authorized to charge: Street Address: Federal Reserve Plaza 8. Deposit account number: 600 Atlantic Avenue 23/2825 City: Boston _____ State: MA ZIP: 02210 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. Timothy J. Oyer 12/13/99 Name of Person Signing Date Total number of pages including cover sheet, attachments, and document:

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned Paul E. Laibinis and Namyong Y. Kim hereby

Sell, assign and transfer to Massachusetts Institute of Technology, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, MA 02139, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on April 16, 1999 under Serial No. 09/293,258 and entitled DERIVATIZATION OF SILICON SURFACES, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

We agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

We hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

We covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made

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PATENT REEL: 010476 FRAME: 0448

possessed by us.	onvey the same as herein expressed is
11/17/95 Date	PAUL E. LAIBINIS
STATE OF Masselfes	_ : _ :
Subscribed and sworn to before me the	nis 17 day of Morrewiller 1999
SEAL	Notary Public My Commission Expires 4/23/04.
11 /17/99 Date	CAROL PHILLIPS Notary Public My Commission Expires April 23, 2004 NAMYONG KIM
STATE OF Massachusette COUNTY OF Middlerry	_ : _ :
Subscribed and sworn to before me the	nis 17 day of November 1999
SEAL	Notary Public My Commission Expires (pr. 23, 2004)
	CAROL PHILLIPS Notary Public My Commission Expires April 23, 2004

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RECORDED: 12/15/1999

PATENT REEL: 010476 FRAME: 0449