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Form PTO-1595 (Rev. 03/01) RI OMB No. 0651-0027 (exp. 5/31/2002)

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

102658332

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

1. Name of conveying party(ies):

- 1. Karen K. Gleason
2. April Ross
3. Qingguo Wu

1-26-04

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:

- X Assignment Merger
Security Agreement Change of Name
Other

Execution Date: 1. December 4, 2003
2. December 1, 2003
3. November 17, 2003

2. Name and address of receiving party(ies)

Name: Massachusetts Institute Of Technology

Internal Address:

Street Address:

77 Massachusetts Avenue

City: Cambridge

State: MA

Zip: 02139

Additional name(s) & address(es) attached:

Yes No

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):

10/624,959

B. Patent No.(s):

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Thomas J. Engellener NUTTER MCCLENNEN & FISH LLP

Internal Address: Atty. Dkt.: 101328-180

Street Address: World Trade Center West 155 Seaport Boulevard

City: Boston

State: MA

Zip: 02210-2604

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
Authorized to be charged to credit card (Form 2038 enclosed)

8. Deposit account number:

141449

(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.

Thomas J. Engellener Name of Person Signing

Handwritten signature of Thomas J. Engellener

January 23, 2004 Date

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: MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: January 23, 2004

Signature: (Thomas J. Engellener)

1293025.1

PATENT REEL: 014924 FRAME: 0850

FINANCE SECTION

Handwritten notes on the right margin

01/29/2004 DBYRNE 01 FC:8021

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by Karen K. Gleason (hereinafter referred to as Assignor), residing at 110 Pleasant Street, Lexington, MA 02421, Qingguo Wu (hereinafter referred to as Assignor), residing at 17865 SW 113th Avenue, Tualatin, OR 97062, and April Ross (hereinafter referred to as Assignor), residing at 78 Porter Road, #1, Cambridge, MA 02140;

WHEREAS, Assignor has invented certain new and useful improvements in **POROUS MATERIAL FORMATION BY CHEMICAL VAPOR DEPOSITION ONTO COLLOIDAL CRYSTAL TEMPLATES**, set forth in a Patent application for Letters Patent of the United States, already filed on July 22, 2003 as U.S. application No. 10/624,959; and

WHEREAS, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, a College organized under and pursuant to the laws of Massachusetts having its principal place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139 (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, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does 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 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 owners 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 its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent 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:

NUTTER MCCLENNEN & FISH LLP

William C. Geary III	31,359	George J. Jakobsche	39,236	David D. Nielson	52,069
Thomas J. Engellenmer	28,711	Lisa J. Michaud	44,238	Jasbir Sagoo, Ph.D.	51,177
David J. Powsner	31,868	Deborah A. Miller	53,328	Michael G. Verga	39,410
Ronald E. Cahill	38,403	Reza Mollaaghhababa	43,810	George A. Xixis	38,664
Kevin M. Cronin	47,203	Tram Anh T. Nguyen	47,257		

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

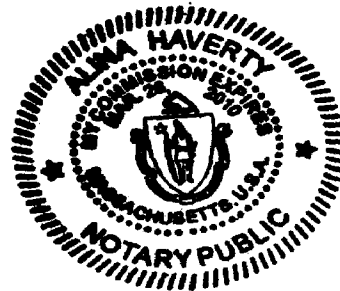
Karen K. Gleason
Karen K. Gleason

Date: 12-4-03

United States of America)
State of MA) ss.:
County of Middlesex)

On this 4th day of December, 2003, before me personally came Karen K. Gleason, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Alma Haverty
Notary Public



Qingguo Wu
Qingguo Wu

Date: 11/17/2003

United States of America)
State of Oregon) ss.:
County of Washington)

On this 17 day of November, 2003, before me personally came Qingguo Wu, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Laura L. Johnson
Notary Public



April Ross
April Ross

Date: 01 December 2003

United States of America)
State of MA) ss.: 237-27-4834
County of MIDDLESEX)

On this 12/1 day of DECEMBER, 2003, before me personally came April Ross, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Alina Haverty
Notary Public

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