To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(les): Singh, Harpreet Hatton, T. A. Additional name(s) of conveying party(les) attached? □ Yes ☒ No 3. Nature of conveying party(les) attached? □ Yes ☒ No 3. Nature of conveying party(les) attached? □ Yes ☒ No 3. Nature of conveying party(les) attached? □ Yes ☒ No 3. Nature of conveying party(les) attached? □ Yes ☒ No 3. Nature of conveying party(les) attached? □ Yes ☒ No 4. Assignment □ Merger □ Street Address: Five Cambridge Center □ Room NE25-230 □ □ City-Cambridge State: MA Zip-02142 Execution Date:August 3, 2004 □ Additional name(s) and 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 application is: A. Patent Application No.(s) □ B. Patent No.(s) 10/877,051 Additional numbers attached? □ Yes ☒ No 5. Name and address to whom correspondence concerning document should be mailed: 7. Total number off applications and patents involved □ 7. Total fee (37 CFR 3.41)\$ 40,00 □ □ Enclosed ☑ Authorized to be charged to deposit account lumber: Street Address:Foley Hoag LLP			U.S. DEPARTMENT OF COMMERCE U.S. Patent And Trademark Office		
1. Name of conveying party(ies): Singh, Harpreet Hatton, T. A. Additional name(s) of conveying party(ies) attached? □ Yes ☒ No 3. Nature of conveyance: ☒ Assignment □ Merger □ Security Agreement □ Change of Name □ Other □ Change of Name □ Other □ August 3, 2004 4. 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) 10/877,051 Additional numbers attached? □ Yes ☒ No 5. Name and address to whom correspondence concerning document should be mailed: Name: □ Dana M. Gordon, Ph.D. Internal Address: Folsy Hoag LLP 155 Seaport Boulevard 2. Name and address of receiving party(ies): Name: Massachusetts Institute of Technology Internal Address: Massachusetts Institute of Technology Internal Address: Street Address: Five Cambridge Center Room NE25-230 City: Cambridge State: MA		<u> </u>		<u> </u>	
Name: Massachusetts Institute of Technology Internal Address: Massachusetts Institute of Technology Internal Address: Massachusetts Institute of Technology TLO	To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.				
Hatton, T. A. Additional name(s) of conveyling party(les) attached? □ Yes ⋈ No 3. Nature of conveyance: ⋈ Assignment □ Merger Street Address: Five Cambridge Center Room NE25-230 □ Other City: Cambridge State: MA Zip: 02142 Execution Date: August 3, 2004 Additional name(s) and 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 application is: A. Patent Application No.(s) 10/877,051 Additional numbers attached? □ Yes ⋈ No 5. Name and address to whom correspondence concerning document should be mailed: Name: □ Dana M. Gordon, Ph.D. □ Enclosed □ Authorized to be charged to deposit account 8. Deposit account number: Street Address: Foley Hosq LLP 06-1448	Name of conveying party(ies):				
Hatton, T. A. Additional name(s) of conveyling party(les) attached? □ Yes ☒ No 3. Nature of conveyance: □ Assignment □ Merger Street Address: Five Cambridge Center □ Security Agreement □ Change of Name Room NE25-230 □ Other City: Cambridge State: MA Zip: 02142 Execution Date: August 3, 2004 Additional name(s) and 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 application is: A. Patent Application No.(s) 10/877,051 Additional numbers attached? □ Yes ☒ No 5. Name and address to whom correspondence concerning document should be mailed: Name: □ Dana M. Gordon, Ph.D. □ □ Enclosed □ Authorized to be charged to deposit account 8. Deposit account number: Street Address: Foley Hoad LLP □ 06-1448	Singh, Harpreet			chusetts Institute of Technology	
3. Nature of conveyance: Assignment	Hatton, T. A.		Internal Address:		
Security Agreement	Additional name(s) of conveying party(les) attached? Yes No				
Security Agreement Change of Name Room NE25-230 Other	Nature of conveyance:				
City: Cambridge State: MA Zip: 02142 Execution Date: August 3, 2004 Additional name(s) and 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 application is: A. Patent Application No.(s) 10/877,051 Additional numbers attached? Yes No 5. Name and address to whom correspondence concerning document should be mailed: Name: Dana M. Gordon, Ph.D. Internal Address: Street Address: Foley Hoad LLP 155 Seaport Boulevard City: Cambridge State: MA Zip: 02142 Additional name(s) and address(es) attached? Yes No 6. Total number off applications and patents involved 1 7. Total fee (37 CFR 3.41)\$ 40.00 Enclosed Authorized to be charged to deposit account	⊠ Assignment ☐ Me	erger	Street Address: F	ive Cambridge Center	
Execution Date:August 3, 2004	Security Agreement 🗍 Ch	ange of Name		Room NE25-230	
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4. 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) 10/877,051 Additional numbers attached? ☐ Yes ☒ No 5. Name and address to whom correspondence concerning document should be mailed: Name: ☐ Dana M. Gordon, Ph.D. ☐ Enclosed Internal Address: ☐ Authorized to be charged to deposit account 8. Deposit account number: Street Address: ☐ Foley Hoad LLP ☐ 06-1448 155 Seaport Boulevard			City: <u>Cambridge</u>	State:MA Zip:02142	
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DO NOT USE THIS SPACE					
 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.					
Dana M. Gordon, Ph.D. October 29, 2004			,		
Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and documents: 4					

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Director of the US Patents and Trademark Office
P.O. Box 1450
Alexandria VA 22313-1450

ASSIGNMENT

We, Harpreet Singh of Cambridge, MA and T.A. Hatton of Sudbury, MA, in exchange for valuable consideration paid to us by Massachusetts Institute of Technology, a corporation of the state of Massachusetts, having its principal place of business at 5 Cambridge Center, NE25-230, Cambridge, Massachusetts, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Massachusetts Institute of Technology

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

"Permanently Linked, Rigid, Magnetic Chains"

described in application Serial No. 10/877,051 filed on June 25, 2004, in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

ASSIGNMENT: USSN 10/877,051 Page 2

WITNESS my hand this 3rd day of August

By:

Then personally appeared the above-named T.A. Hatton and acknowledged the foregoing instrument to be his free act and deed, before me, this 3rd day of August, 2004.

-2-FHBoxton/1084664.1

RECORDED: 10/29/2004

PATENT REEL: 015315 FRAME: 0729