

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Gregory Rutledge</td><td>08/02/2005</td></tr><tr><td>Sergey Fridrikh</td><td>08/02/2005</td></tr></tbody></table>	Name	Execution Date	Gregory Rutledge	08/02/2005	Sergey Fridrikh	08/02/2005	
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Gregory Rutledge	08/02/2005						
Sergey Fridrikh	08/02/2005						
RECEIVING PARTY DATA							
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Street Address:	77 Massachusetts Avenue						
City:	Cambridge						
State/Country:	MASSACHUSETTS						
Postal Code:	02139						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11020650</td></tr></tbody></table>	Property Type	Number	Application Number:	11020650			
Property Type	Number						
Application Number:	11020650						
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Total Attachments: 2 source=Rutledge & Fridrikh Assign#page1.tif source=Rutledge & Fridrikh Assign#page2.tif							

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PATENT
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ASSIGNMENT

WHEREAS, WE, Gregory Rutledge, a United States citizen, residing at 398 Waltham Street, Newton, MA 02465 and Sergey Fridrikh, a citizen of Russia, residing at 21 Birch Ridge Road, Acton, MA 01720 have invented certain new and useful improvements in SILK BIOMATERIALS AND METHODS OF USE THEREOF for which we have executed an application for Letters Patent in the United States, filed as U.S. Application Serial Number 11/020,650 filed on 12/23/2004, and naming us as inventors;

AND WHEREAS, Massachusetts Institute of Technology, a Massachusetts corporation, with its principal place of business at 77 Massachusetts Avenue, Cambridge, MA 02139 desires to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Massachusetts Institute of Technology, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue Patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said Massachusetts Institute of Technology, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

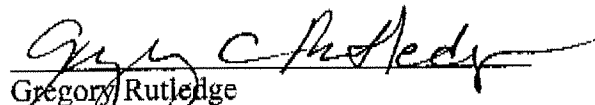
AND WE HEREBY covenant and agree that we will communicate to the said Massachusetts Institute of Technology, its successors, legal representatives and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said Massachusetts Institute of Technology, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

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The undersigned hereby grant the law firm of Nixon Peabody LLP of 100 Summer Street, Boston, Massachusetts 02110-2131, U.S.A. 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 U.S. Patent and Trademark, Office for recordation of this document.


IN TESTIMONY WHEREOF, I, Gregory Rutledge, hereunto set my hand and seal this 2 day of

August, 2005.


Gregory Rutledge

IN TESTIMONY WHEREOF, I, Sergei Fridrikh, hereunto set my hand and seal this 2 day of

August, 2005.


Sergei Fridrikh
Sergey