

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3752378

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ROGER NARAYAN	04/29/2014
	PHILIP MILLER	04/29/2014
RECEIVING PARTY DATA		
Name:	NORTH CAROLINA STATE UNIVERSITY	
Street Address:	CAMPUS BOX 8210	
Internal Address:	1021 MAIN CAMPUS DRIVE	
City:	RALEIGH	
State/Country:	NORTH CAROLINA	
Postal Code:	27695	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	14965755	
CORRESPONDENCE DATA		
Fax Number:	(858)720-5819	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
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ATTORNEY DOCKET NUMBER:	009062-8224.US02	
NAME OF SUBMITTER:	BING AI	
SIGNATURE:	/Bing Ai/	
DATE SIGNED:	02/23/2016	
Total Attachments: 4		
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ASSIGNMENT

We, Roger Narayan, of Raleigh, North Carolina, and Philip Miller, of Greensboro, North Carolina, hereby assign to North Carolina State University, a university of North Carolina, having a place of business at Campus Box 8210, 1021 Main Campus Drive, Raleigh, North Carolina 27695, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in any and all inventions and improvements which are described in an application for United States Patent filed by us, entitled MICRONEEDLE ARRAYS FOR BIOSENSING AND DRUG DELIVERY, filed on March 3, 2014, and assigned U.S. Serial Number 14/342,536.

This assignment includes the entire right, title and interest in said application, all legal equivalents thereof in any country, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements, including, but not limited to, the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and the right to seek relief and recover all damages, including, but not limited to, a reasonable royalty, by reason of infringement or any other violation of patent or patent application rights. We authorize the Assignee to apply in all countries in our names or in the name of the Assignee for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

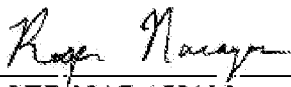
In addition, we hereby confirm the sale, assignment, and transfer to the Assignee of the entire right, title and interest throughout the world in said inventions and improvements that occurred by operation of an employment agreement between us and the Assignee existing at the time said inventions and improvements were made. Should we have any remaining interest, we hereby sell, assign, and transfer any right, title and interest we may have in said inventions and improvements anywhere in the world to the Assignee.

The foregoing assignments, sale and transfer have been made for good and valuable consideration, the receipt of which is hereby acknowledged.

We hereby represent and covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with the assignment of said inventions and improvements to the Assignee.

We further covenant for ourselves and our respective heirs, legal representatives and assigns, to assist the Assignee in handling various procedures, tasks and documentation in connection with this assignment, including, but not limited to, providing to the Assignee promptly upon the request of the Assignee all pertinent facts and documents relating to said invention and improvements, and said patents, said legal equivalents or other legal instrument as may be known and accessible to us and testifying as to the same in any interference, derivation, litigation, or proceeding relating thereto, and promptly executing and delivering to the Assignee or its legal representative any and all papers, documents, instruments or affidavits in connection with obtaining, maintaining, issuing or enforcing said application, said inventions and improvements, and said patents, said equivalents and other legal instrument which may be necessary or desirable to carry out the purposes thereof.

DATE: 4/29/14



ROGER NARAYAN

DATE: _____

PHILIP MILLER

ASSIGNMENT

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DATE: _____

ROGER NARAYAN

DATE: April 29, 2014

Philip Miller
PHILIP MILLER