

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Jung uk Shim	01/23/2006
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Brandeis University
<b>Street Address:</b>	415 South Street
<b>City:</b>	Waltham
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02454
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	11221585
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)646-8646
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	617-646-8000
<b>Email:</b>	dpeters@wolfgreenfield.com
<b>Correspondent Name:</b>	Wolf, Greenfield & Sacks, P.C.
<b>Address Line 1:</b>	600 Atlantic Avenue
<b>Address Line 4:</b>	Boston, MASSACHUSETTS 02210
<b>ATTORNEY DOCKET NUMBER:</b>	B1191.70000US01
<b>NAME OF SUBMITTER:</b>	Timothy J. Oyer
<b>Total Attachments: 2</b> source=B1191.70000US01 - Executed Assignment (Brandeis 1)#page1.tif source=B1191.70000US01 - Executed Assignment (Brandeis 1)#page2.tif	

OP \$40.00 11221585

501056663

**PATENT**  
**REEL: 023732 FRAME: 0782**

**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned hereby:

1. Sell, assign and transfer to Brandeis University, a Massachusetts corporation having a place of business at 415 South Street, Waltham, MA 02454, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on September 8, 2005 under Serial No. 11/221,585, bearing Attorney Docket No. B1191.70000US00, and entitled MICROFLUIDIC MANIPULATION OF FLUIDS AND REACTIONS, and in and to said application and all non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country 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 or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority;
2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design 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 me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper 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;
3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation; and
5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

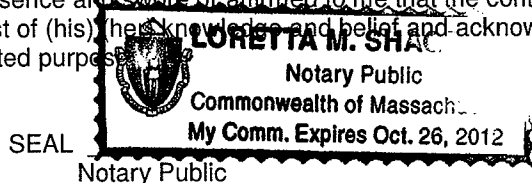
This instrument is executed under seal.

Date 1/23/2006Inventor: Shim, Jung ukAddress: 70 Emerson Garden  
Lexington, MA 02420

Citizenship: Republic of Korea

STATE/Commonwealth of Massachusetts :COUNTY OF Middlesex :

On this 23 day of January, 2006 before me, the undersigned notary public, personally appeared Jung uk Shim, proved to me through satisfactory evidence of identification, which were Mass Driver License, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purposes.

My commission expires 10/26/2012