

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4351615

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                           |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                               |
| <b>CONVEYING PARTY DATA</b>   |  |
| <b>Name</b>   | <b>Execution Date</b>                    |
| ZHENGDONG CHENG   | 01/24/2006                               |
| DARREN R. LINK  | 01/31/2006                               |
| MANUEL MARQUEZ-SANCHEZ  | 03/29/2011                               |
| DAVID A. WEITZ  | 01/18/2006                               |
| <b>RECEIVING PARTY DATA</b>   |  |
| <b>Name:</b>  | PRESIDENT AND FELLOWS OF HARVARD COLLEGE |
| <b>Street Address:</b>  | 17 QUINCY STREET                         |
| <b>City:</b>  | CAMBRIDGE                                |
| <b>State/Country:</b>   | MASSACHUSETTS                            |
| <b>Postal Code:</b>   | 02138                                    |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>                            |
| <b>Application Number:</b>  | 14662668                                 |
| <b>CORRESPONDENCE DATA</b>  |  |
| <b>Fax Number:</b>  |  |
| <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> |  |
| <b>Email:</b>   | caroline_borek@harvard.edu               |
| <b>Correspondent Name:</b>  | KAREN SINCLAIR                           |
| <b>Address Line 1:</b>  | 1350 MASSACHUSETTS AVENUE                |
| <b>Address Line 2:</b>  | HARVARD UNIVERSITY, OFFICE OF TECH. DEV. |
| <b>Address Line 4:</b>  | CAMBRIDGE, MASSACHUSETTS 02138           |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 2183                                     |
| <b>NAME OF SUBMITTER:</b>   | KAREN SINCLAIR                           |
| <b>SIGNATURE:</b>   | /kas/                                    |
| <b>DATE SIGNED:</b>   | 04/04/2017                               |
| <b>Total Attachments: 14</b>  |  |
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## ASSIGNMENT

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

**Manuel Marquez-Sanchez**

(hereafter "Assignor") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College  
17 Quincy Street, Cambridge, Massachusetts 02138**

(hereafter "Assignee") its successors and assigns, Assignor's entire right, title and interest throughout the world in and to any and all inventions for:

### **Formation and Control of Fluidic Species**

described in U.S. Patent Application 11/246,911 filed in the United States Patent and Trademark Office on October 7, 2005, based on International Patent Application No. PCT/US2004/010903, claiming priority to U.S. Application 60/461,954, and to patent applications in Australia, Canada, Japan, and the Europe based on PCT/US2004/010903, and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

Assignor hereby warrants that he/she has full right to convey his/her entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignor further agrees, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee,

its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors in the patent/application information provided above including but not limited to said application serial number(s) and filing date(s), prior to or after recordation.

Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

03/29/2011  
Date

  
Manuel Marquez-Sanchez

03-29-2011  
Date

  
Witness

M.C. Maximo  
Witness's Printed Name

03/29/2011  
Date

  
Witness

Frank Gustel  
Witness's Printed Name

ASSIGNMENT

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

1. Sell, assign and transfer to **President and Fellows of Harvard College**, a Massachusetts corporation having a place of business at 17 Quincy Street, Cambridge, Massachusetts 02138, 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 October 7, 2005 under Serial No. 11/246,911, bearing Attorney Docket No. H0498.70200US01, and entitled FORMATION AND CONTROL OF FLUIDIC SPECIES, 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, including but not limited to corresponding Australian patent application serial no. 2004229440, Canadian patent application serial no. 2,521,862, European patent application serial no. 04759306.6, and Japanese patent application based on International application no. PCT/US2004/010903; 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;
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; and

This instrument is executed under seal.

Date January 31, 2006

Inventor: Darren Roy Link

Address: ~~41 Stony Hill Road~~ <sup>SKY</sup> 19 Cedar Grove Rd  
Guilford, CT 06437

Citizenship: United States

STATE/Commonwealth of Connecticut :

COUNTY OF New Haven :

Sworn to and subscribed before me on this 31<sup>st</sup> day of January 2006 under the pains and penalties of perjury under the laws of the United States of America.

SEAL [Signature]  
Notary Public

My commission expires 8/31/2010

Date \_\_\_\_\_

Inventor: David A. Weitz

Address: 213 Green Road  
Bolton, MA 01740

Citizenship: United States

STATE/Commonwealth of \_\_\_\_\_ :

County of \_\_\_\_\_ :

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me, the undersigned notary public, personally appeared \_\_\_\_\_, proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, 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 purpose.

SEAL \_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

Date \_\_\_\_\_ Inventor: Zhengdong Cheng

Address: 1700 George Bush Drive, #202  
College Station, TX 77840

Citizenship: People's Republic of China

STATE/Commonwealth of \_\_\_\_\_ :

County of \_\_\_\_\_ :

Sworn to and subscribed before me on this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, under the pains and penalties of perjury under the laws of the United States of America.

SEAL \_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_



ASSIGNMENT

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

1. Sell, assign and transfer to **President and Fellows of Harvard College**, a Massachusetts corporation having a place of business at 17 Quincy Street, Cambridge, Massachusetts 02138, 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 October 7, 2005 under Serial No. 11/246,911, bearing Attorney Docket No. H0498.70200US01, and entitled **FORMATION AND CONTROL OF FLUIDIC SPECIES**, 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, including but not limited to corresponding Australian patent application serial no. 2004229440, Canadian patent application serial no. 2,521,862, European patent application serial no. 04759306.6, and Japanese patent application based on International application no. PCT/US2004/010903; 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;
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; and

This instrument is executed under seal.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Inventor: Darren Roy Link

Address: 11 Stony Hill Road  
Guilford, CT 06437

Citizenship: United States

STATE/Commonwealth of \_\_\_\_\_ :

COUNTY OF \_\_\_\_\_ :

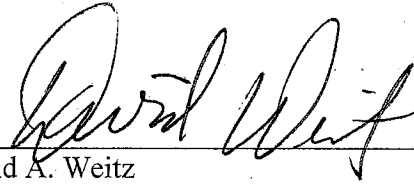
Sworn to and subscribed before me on this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, under the pains and penalties of perjury under the laws of the United States of America.

SEAL \_\_\_\_\_

Notary Public

My commission expires \_\_\_\_\_

1-18-06  
Date



Inventor: David A. Weitz

Address: 213 Green Road  
Bolton, MA 01740

Citizenship: United States

STATE/Commonwealth of Massachusetts :

COUNTY OF Middlesex :

On this 18<sup>th</sup> day of January, 2006, before me, the undersigned notary public, personally appeared David Weitz, proved to me through satisfactory evidence of identification, which were drivers 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 purpose.

SEAL Victoria A. Greene  
Notary Public

My commission expires 2/21/08

VICTORIA A. GREENE, Notary Public  
My Commission Expires Feb. 21, 2008  
Commonwealth of Massachusetts

Date \_\_\_\_\_

Inventor: Zhengdong Cheng

Address: 1700 George Bush Drive, #202  
College Station, TX 77840

Citizenship: People's Republic of China

STATE/Commonwealth of \_\_\_\_\_ :

County of \_\_\_\_\_ :

Sworn to and subscribed before me on this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, under the pains and penalties of perjury under the laws of the United States of America.

SEAL \_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

ASSIGNMENT

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

1. Sell, assign and transfer to **President and Fellows of Harvard College**, a Massachusetts corporation having a place of business at 17 Quincy Street, Cambridge, Massachusetts 02138, 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 October 7, 2005 under Serial No. 11/246,911, bearing Attorney Docket No. H0498.70200US01, and entitled **FORMATION AND CONTROL OF FLUIDIC SPECIES**, 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, including but not limited to corresponding Australian patent application serial no. 2004229440, Canadian patent application serial no. 2,521,862, European patent application serial no. 04759306.6, and Japanese patent application based on International application no. PCT/US2004/010903; 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;
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; and

This instrument is executed under seal.

\_\_\_\_\_  
 Date Inventor: Darren Roy Link  
 Address: 11 Stony Hill Road  
 Guilford, CT 06437  
 Citizenship: United States

STATE/Commonwealth of \_\_\_\_\_ :

County of \_\_\_\_\_ :

Sworn to and subscribed before me on this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, under the pains and penalties of perjury under the laws of the United States of America.

SEAL \_\_\_\_\_  
 Notary Public

My commission expires \_\_\_\_\_

Date Jan. 24, 2006

Inventor: X David A. Weitz

Address: 213 Green Road  
Bolton, MA 01740

Citizenship: United States

STATE/Commonwealth of \_\_\_\_\_ :

County of \_\_\_\_\_ :

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me, the undersigned notary public, personally appeared \_\_\_\_\_, proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, 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 purpose.

SEAL \_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

Date Jan. 24, 2006

Inventor: Zhengdong Cheng

Address: 1700 George Bush Drive, #202  
College Station, TX 77840

Citizenship: People's Republic of China

STATE/Commonwealth of Texas :

COUNTY OF Brazos :

Sworn to and subscribed before me on this 24 day of Jan., 2006, under the pains and penalties of perjury under the laws of the United States of America.

SEAL Jessica Gonzalez  
Notary Public

My commission expires Aug. 10, 2008

