

07-20-2005

Form PTO-1595 (Rev. 03-05)
OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

ET

103043686
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Jeffrey Borenstein (04/21/2005) and Eli Weinberg
(04/18/2005)Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name☐ Security Agreement ☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other

2. Name and address of receiving party(ies)

Name: The Charles Stark Draper Laboratory

Internal Address:

Street Address:

555 Technology Square

City: Cambridge

State: Massachusetts

Country: United States of America Zip: 02139-3563

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

PCT/US2003/029880 10/528,737

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name:

Amy Leahy
EDWARDS & ANGELL, LLP

Internal Address: Atty. Dkt.: 62018WO(51588)

Street Address: P.O. Box 55874

City: Boston

State: MA Zip: 02205

Phone Number: (203) 975-7505

Fax Number: (203) 975-7180

Email Address: aleahy@edwardsangell.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

☐ Authorized to be charged by credit card☒ Authorized to be charged to deposit account☐ Enclosed☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers

Expiration Date

b. Deposit Account Number 04-1105

Authorized User Name Amy M. Leahy

9. Signature:

Signature
Amy M. Leahy - 47,739

Name of Person Signing

July 13, 2005

Date

Total number of pages including cover sheet, attachments, and documents:

5

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: July 13, 2005

Signature: (Denise Kacinski)

OFFICE OF COMPTROLLER
2005 JUL 15 PM 10:33
FINANCE SECTION

10528737

50111400000004041105

07/19/2005 17:11:42

40.00 BA

01 FC:0021

ASSIGNMENT BY INVENTORS

WHEREAS We, **Jeffrey BORENSTEIN**, residing at **936 Highland Street, Holliston, MA 01746** and **Eli WEINBERG**, residing at **1648 Mass Ave. Apt. 26, Cambridge, MA 02138** (hereinafter designated as the undersigned), having invented certain new and useful improvements in **THREE DIMENSIONAL CONSTRUCT FOR THE DESIGN AND FABRICATION OF PHYSIOLOGICAL FLUIDIC NETWORKS** for which International Patent Application No. PCT/US2003/029880 has been filed on September 23, 2003, having the Designated States of United Arab Emirates (AE); Antigua and Barbuda (AG); Albania (AL); Armenia (AM); Austria (AT); Australia (AU); Azerbaijan (AZ); Bosnia and Herzegovina (BA); Barbados (BB); Belgium (BE); Burkina Faso (BF); Bulgaria (BG); Benin (BJ); Brazil (BR); Belarus (BY); Belize (BZ); Canada (CA); Central African Republic (CF); Congo (CG); Switzerland (CH); Cote d'Ivoire (CI); Cameroon (CM); China (CN); Colombia (CO); Costa Rica (CR); Cuba (CU); Cyprus (CY); Czech Republic (CZ); Germany (DE); Denmark (DK); Dominica (DM); Algeria (DZ); Ecuador (EC); Estonia (EE); Egypt (EG); Spain (ES); Finland (FI); France (FR); Gabon (GA); Great Britain (GB); Grenada (GD); Georgia (GE); Ghana (GH); Gambia (GM); Guinea (GN); Equatorial Guinea (GQ); Greece (GR); Guinea-Bissau (GW); Croatia (HR); Hungary (HU); Indonesia (ID); Ireland (IE); Israel (IL); India (IN); Iceland (IS); Italy (IT); Japan (JP); Kenya (KE); Kyrgyzstan (KG); Democratic People's Republic of Korea (KP); Republic of Korea (KR); Kazakhstan (KZ); Saint Lucia (LC); Sri Lanka (LK); Liberia (LR); Lesotho (LS); Lithuania (LT); Luxembourg (LU); Latvia (LV); Morocco (MA); Monaco (MC); Republic of Moldova (MD); Madagascar (MG); The former Yugoslav Republic of Macedonia (MK); Mali (ML); Mongolia (MN); Mauritania (MR); Malawi (MW); Mexico (MX); Mozambique (MZ); Niger (NE); Nicaragua (NI); Netherlands (NL); Norway (NO); New Zealand (NZ); Oman (OM); Papua New Guinea (PG); Philippines (PH); Poland (PL); Portugal (PT); Romania (RO); Russian Federation (RU); Seychelles (SC); Sudan (SD); Sweden (SE); Singapore (SG); Slovenia (SI); Slovakia (SK); Sierra Leone (SL); Senegal (SN); Syria (SY); Swaziland (SZ); Chad (TD); Togo (TG); Tajikistan (TJ); Turkmenistan (TM); Tunisia (TN); Turkey (TR); Trinidad and Tobago (TT); United Republic of Tanzania (TZ); Ukraine (UA); Uganda (UG); United States of America (US); Uzbekistan (UZ); St. Vincent & Grenadines (VC); Viet Nam (VN); Yugoslavia (YU); South Africa (ZA); Zambia (ZM); Zimbabwe (ZW), and claiming priority to U.S. patent application nos. 60/412,981 and 60/449,291 filed September 23, 2002 and February 21, 2003, respectively, and

WHEREAS, THE CHARLES STARK DRAPER LABORATORY, a Non-profit Corporation organized under and pursuant to the laws of Massachusetts having its principal place of business at **555 Technology Square, Cambridge, MA 02139**, its heirs, successors, legal representatives and assigns (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said International Patent Application No. PCT/US2003/029880 and any application for Patent in the Designated States claiming priority to International Patent Application No. PCT/US2003/029880, and in and to any Patent to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and International Patent Application No. PCT/US2003/029880 and any application for Patent in the Designated States claiming priority to International Patent Application No. PCT/US2003/029880, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and International Patent Application No. PCT/US2003/029880 and any application for patent in the Designated States claiming priority to International Patent Application No. PCT/US2003/029880 above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Patent and applications for Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Patent, or any proceeding in connection with any Patent or applications for Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Patent, or any reissue, reexamination or extension of any Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals 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 United States Patent and Trademark Office for recordation of this document:

EDWARDS & ANGELL, LLP

P.O. Box 55874

Boston, MA 02205

Tel. No. (617) 439-4444

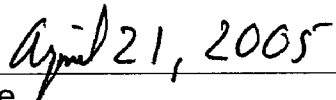
All practitioners at Customer Number 21874

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

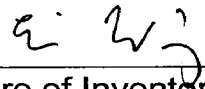
In witness whereof, signed by the undersigned on the date(s) opposite the undersigned name(s).



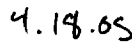
Signature of Inventor
JEFFREY BORENSTEIN



Date



Signature of Inventor
ELI WEINBERG



Date