

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2785834

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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>          |
| HUGO SACHS ELEKTRONIK - HARVARD APPARATUS GMBH  | 04/03/2013                     |
| <b>RECEIVING PARTY DATA</b>   |                                |
| <b>Name:</b>  | HARVARD BIOSCIENCE, INC.       |
| <b>Street Address:</b>  | 84 OCTOBER HILL ROAD           |
| <b>City:</b>  | HOLLISTON                      |
| <b>State/Country:</b>   | MASSACHUSETTS                  |
| <b>Postal Code:</b>   | 01746                          |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                |
| <b>Property Type</b>  | <b>Number</b>                  |
| <b>Application Number:</b>  | 13869949                       |
| <b>CORRESPONDENCE DATA</b>  |                                |
| <b>Fax Number:</b>  | (617)646-8646                  |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> |                                |
| <b>Phone:</b>   | 617-646-8000                   |
| <b>Email:</b>   | sappleton@wolfgreenfield.com   |
| <b>Correspondent Name:</b>  | DANIEL W. YOUNG                |
| <b>Address Line 1:</b>  | WOLF, GREENFIELD & SACKS, P.C. |
| <b>Address Line 2:</b>  | 600 ATLANTIC AVENUE            |
| <b>Address Line 4:</b>  | BOSTON, MASSACHUSETTS 02210    |
| <b>ATTORNEY DOCKET NUMBER:</b>  | H0822.70005US01                |
| <b>NAME OF SUBMITTER:</b>   | STACEY L. APPLETON             |
| <b>SIGNATURE:</b>   | /Stacey L. Appleton/           |
| <b>DATE SIGNED:</b>   | 03/26/2014                     |
| <b>Total Attachments: 6</b>   |                                |
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| source=H0822 70005US01 - Assignment to Harvard (2)#page2.tif  |                                |
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## ASSIGNMENT

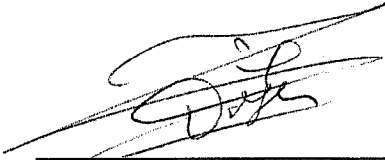
For good and valuable consideration, the receipt of which is hereby acknowledged, Hugo Sachs Elektronik - Harvard Apparatus GmbH, having a place of business at Gruenstrasse 1, March-Hugstetten, Germany D-79232, for itself, its assigns and legal representatives ("Assignor") hereby:

1. Sells, assigns and transfers and/or confirms the sale, assignment and transfer to **Harvard Bioscience, Inc.**, a Delaware corporation having a place of business at **84 October Hill Road; Holliston, Massachusetts 01746**, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, its 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 **April 24, 2012** under **Application Serial No. 61/637,822**, bearing **Attorney Docket No. H0822.70005US00**, and entitled **SUPPORTS FOR ARTIFICIAL TISSUE SCAFFOLDS**, and in and to the application and all corresponding 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, including but not limited to China, Japan and Korea, on any of the 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 the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea;
2. Agrees that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, agrees to carry out in good faith the intent and purpose of this assignment, by executing all such further assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to it relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
3. Requests the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the Letters Patent to the Assignee;
4. Authorizes and requests 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. Covenants with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by it and that full right to convey the same as herein expressed is possessed by it; and
6. Appoints Assignee, through its designee, its attorney-in-fact to execute, in its name and on its 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.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

ak

3. April 2013  
Date



Assignor: Hugo Sachs Elektronik - Harvard Apparatus GmbH  
Address: Gruenstrasse 1  
D-79232 March-Hugstetten  
Germany

Signer: Roger Zink  
Title: Managing Director

Witness:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Witness:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

Name: \_\_\_\_\_

Address: \_\_\_\_\_

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*Handwritten mark*

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, Hugo Sachs Elektronik - Harvard Apparatus GmbH, having a place of business at Gruenstrasse 1, March-Hugstetten, Germany D-79232, for itself, its assigns and legal representatives ("Assignor") hereby:

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2. Agrees that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, agrees to carry out in good faith the intent and purpose of this assignment, by executing all such further assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to it relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
3. Requests the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the Letters Patent to the Assignee;
4. Authorizes and requests 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. Covenants with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by it and that full right to convey the same as herein expressed is possessed by it; and
6. Appoints Assignee, through its designee, its attorney-in-fact to execute, in its name and on its 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.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

3. April 2013  
Date



Assignor: Hugo Sachs Elektronik - Harvard Apparatus GmbH  
Address: Gruenstrasse 1  
D-79232 March-Hugstetten  
Germany

Signer: *Roger ZINK*  
Title: *Managing Director*

Witness:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Witness:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

Name: \_\_\_\_\_

Address: \_\_\_\_\_

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*ZR*