PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| OMAR ABDEL-RAHMAN ALI | 05/31/2007 |
| TANYARUT BOONTHEEKUL | 07/26/2007 |
| HYUN JOON KONG | 05/30/2007 |
| DAVID J. MOONEY | 05/31/2007 |
| EDUARDO A. SILVA | 05/31/2007 |

RECEIVING PARTY DATA

| Name: | President and Fellows of Harvard College |
|-----------------|--|
| Street Address: | 17 Quincy Street |
| City: | Cambridge |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 02138 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14750423 |

CORRESPONDENCE DATA

Fax Number: (617)495-9568

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.

Phone: (617) 495-3058

Email: denlyn atherton@harvard.edu

Correspondent Name: KAREN SINCLAIR

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Address Line 2: HARVARD UNIVERSITY, OFFICE OF TECH. DEV.

Address Line 4: CAMBRIDGE, MASSACHUSETTS 02138

ATTORNEY DOCKET NUMBER: 2532 US CON3 HU

NAME OF SUBMITTER: KAREN A. SINCLAIR

SIGNATURE: /kas/
DATE SIGNED: 04/23/2021

Total Attachments: 7

PATENT REEL: 056014 FRAME: 0108

EPAS ID: PAT6672041

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PATENT REEL: 056014 FRAME: 0109 Express Mail Label No.: EV871030736US Date of Deposit: October 1, 2007

October 1, 2007 Attorney Docket No.: 29297-014

ASSIGNMENT

I, Elliott Earl Hill Jr., the undersigned, hereinafter referred to as the ASSIGNOR, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to the Regents of the University of Michigan, with offices at Suite 2071 Wolverine Tower, 3003 S. State St., Ann Arbor, MI 48109-1280 and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) my entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

SCAFFOLDS FOR CELL TRANSPLANTATION

filed with the U.S. Patent and Trademark Office on **December 13, 2006** and assigned Serial No. **11/638,796**, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names at the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made.

I agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

I further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

| Elect Parl Hill Jr. | _ |
|-------------------------------------|---------------|
| V | |
| | |
| day of, 2007. | |
| Notary Public My commission expires | - |
| | day of, 2007. |

ACTIVE 4039932v.1

Express Mail Label No.: EV871030815US

Date of Deposit: October 1, 2007 Attorney Docket No.: 29297-014

ASSIGNMENT

We, David J. Mooney, Omar Abdel-Rahman Ali, Eduardo Alexandre Barros e Silva, Hyun Joon Kong, and Tanyarut Boontheekul, the undersigned, hereinafter referred to as the ASSIGNOR, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to the President and Fellows of Harvard College, a Massachusetts corporation, with offices at 17 Quincy Street, Cambridge, MA 02138 and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

SCAFFOLDS FOR CELL TRANSPLANTATION

filed with the U.S. Patent and Trademark Office on **December 13, 2006** and assigned Serial No. **11/638,796**, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names at the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

| Date: 5/31/07 | Day |
|---|--|
| State of Massachusto Country of Massachusto | David J. Mooney |
| Subscribed and sworn to before me this 37 | day of May, 2007, |
| SEAL | Notary Public My commission expires 4/14/50 |
| | 6) a |
| Date: 5/31/67 | Omar Abdel-Rahman Ali |
| State of Massachusells Country of Middlesal | |
| Subscribed and sworn to before me this 3/1 | day of May, 2007. |
| SEAL | Notary Public My commission expires 4/16/10 |
| | RUTH LOUISE DEMONE |
| | Notary Public Commonwealth of Massachusetts My Commission Expires Apr 16, 2010 |

| Date: 5/3//2507 | Edundo Al | exaudy B SIV |
|--|--|--------------|
| | Eduardo Alexandre Ba | rros e Silva |
| State of Massachuselts Country of Massachuselt | | |
| Subscribed and sworn to before me this | day of May | 2007. |
| SEAL | Stak 7 | Organe_ |
| | Notary Public | HIMIO |
| | My commission expires | 1//4/10 |
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| Datas | | |
| Date: | Hyun Joon Kong | |
| | nyun 300n Kong | |
| State of | | |
| Country of | | |
| Subscribed and sworn to before me this | day of | _, 2007. |
| SEAL | | |
| | Notary Public My commission expires | |
| Date: | Towns A. D | |
| State of | Tanyarut Boontheekul | |
| Country of | | |
| Subscribed and sworn to before me this | day of | _, 2007. |
| SEAL | | |
| | Notary Public | |
| | My commission expires | |
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ACTIVE 4002770v.1

| Date: | | |
|---|--|---------------|
| | Eduardo Alexandre B | arros e Silva |
| State of | | |
| Subscribed and sworn to before me this | day of | , 2007. |
| SEAL | | |
| | Notary Public My commission expires | 3 |
| Date: 5/30/2007 | u. | <u> </u> |
| | Hyun Joon Kong | |
| State of Country ofSA | | |
| Subscribed and sworn to before me this $\underline{3c}$ | 2 day of May | , 2007. |
| Subscribed and sworn to before me this 30 SEAL OFFICIAL SEAL BARBARA C. BALBACH NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 3-13-2010 | Notary Public My commission expires | C. Balbal |
| Date: | | |
| State of | Tanyarut Boontheeku | ! |
| Subscribed and sworn to before me this | _ day of | , 2007. |
| SEAL | | |
| ~ | Notary Public My commission expires | |

ACTIVE 4002770v.1

| Date: | |
|--|-------------------------------------|
| | Eduardo Alexandre Barros e Silva |
| State of | |
| Country of | |
| Subscribed and sworn to before me this | day of, 2007. |
| SEAL | |
| | Notary Public |
| | My commission expires |
| | |
| Data | |
| Date: | Hyun Joon Kong |
| | |
| State of | |
| Country of | |
| Subscribed and sworn to before me this | day of, 2007. |
| SEAL | |
| | Notary Public My commission expires |
| | |
| 26-14/4-2007 | Tomas hans |
| Date: 26-July-2007 | Tany hwy Tanyarut Boontheekul |
| State of | Tanyaput Boommeekui |
| Country of Thailand | |
| Subscribed and sworn to before me this 2 | 6 day of July , 2007. |
| | Voorant Tatacakon. |
| SEAL | Nation Public Mitting C.C. |
| | My commission expires |
| | |
| | 22 Phahonyothin 24 Yak 2-1, Chompol |
| | Chattujuk, Bangkok 10900 Thailand |
| ACTIVE 4002770v.1 | |
| | |

My committee

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