

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5874441

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the APPLICATION NUMBER PCT/2018/059865 previously recorded on Reel 046268 Frame 0463. Assignor(s) hereby confirms the ASSIGNMENT OF 62/517,414 AND ALL CONTINUATIONS, DIVISIONS AND EXTENSIONS THEREOF.

CONVEYING PARTY DATA

Name	Execution Date
TAKANORI TAKEBE	06/04/2018
TADAHIRO SHINOZAWA	06/04/2018
HIROYUKI KOIKE	06/02/2018
RIE OUCHI	06/01/2018

RECEIVING PARTY DATA

Name:	CHILDREN'S HOSPITAL MEDICAL CENTER
Street Address:	3333 BURNET AVENUE
City:	CINCINNATI
State/Country:	OHIO
Postal Code:	45229

PROPERTY NUMBERS Total: 5

Property Type	Number
Application Number:	62517414
PCT Number:	US2018018585
PCT Number:	US2018059860
PCT Number:	US2017059865
PCT Number:	US2018059845

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 2016-1003B/F/D/E/C

NAME OF SUBMITTER:	NICOLE M TEPE
SIGNATURE:	/Nicole M. Tepe/
DATE SIGNED:	12/18/2019
Total Attachments: 7 source=Recorded assignment for Reel 046268 Frame 0463#page1.tif source=Recorded assignment for Reel 046268 Frame 0463#page2.tif source=Recorded assignment for Reel 046268 Frame 0463#page3.tif source=Recorded assignment for Reel 046268 Frame 0463#page4.tif source=Recorded assignment for Reel 046268 Frame 0463#page5.tif source=Recorded assignment for Reel 046268 Frame 0463#page6.tif source=Recorded assignment for Reel 046268 Frame 0463#page7.tif	

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5036596

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAKANORI TAKEBE	06/04/2018
TADAIHIRO SHINOZAWA	06/04/2018
HIROYUKI KOIKE	06/02/2018
RIE OUCHI	06/01/2018
RECEIVING PARTY DATA	
Name:	CHILDREN'S HOSPITAL MEDICAL CENTER
Street Address:	3333 BURNET AVENUE
City:	CINCINNATI
State/Country:	OHIO
Postal Code:	45229
PROPERTY NUMBERS Total: 5	
Property Type	Number
Application Number:	62517414
PCT Number:	US2018018585
PCT Number:	US2018059860
PCT Number:	US2018059865
PCT Number:	US2018059845
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ATTORNEY DOCKET NUMBER:	2016-1003B/F/D/E/C
NAME OF SUBMITTER:	LORETTA SHIRK
SIGNATURE:	/Loretta Shirk/

DATE SIGNED:

07/05/2018

Total Attachments: 4

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PATENT
REEL: 046268 FRAME: 0464

PATENT
REEL: 051365 FRAME: 0396

ASSIGNMENT OF INVENTION AND PATENT RIGHTS

WHEREAS, I, Takanori Takebe, a citizen of Japan, residing at 634 Sycamore St., #7G, Cincinnati, OH 45202; Tadahiro Shinozawa, a citizen of Japan, residing at 22-3-101 Muraokahigashi 2-chome, Fujisawa, Kanagawa, 251-0012; Hiroyuki Koike, a citizen of Japan, residing at 1-3-4-402 Kandasarugakucho, Tokyo, 101-0064; and Rie Ouchi, a citizen of Japan, residing at 3031 Eden Avenue, Cincinnati, OH 45219 (hereinafter referred to collectively as "ASSIGNOR"), have invented Methods for Generating Miniature Liver, for which they have executed an application for Letters Patent of the United States, Serial No. 62/517,414, filed on 6/9/2017; and

WHEREAS, Children's Hospital Medical Center, d/b/a Cincinnati Children's Hospital Medical Center, a non-profit corporation duly organized and existing under the laws of the State of Ohio, located at 3333 Burnet Avenue, Cincinnati, Ohio 45229-3039 (hereinafter referred to as "ASSIGNEE"), desires to acquire the entire right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, and transfers and sets over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals, and continuations thereof, and all patents of the United States which may be granted thereon and all reissues, reexaminations and extensions thereof; and all Patents of the United States which may be granted thereon and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models and designs, which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals, reexaminations and reissues thereof;

ASSIGNOR HEREBY authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

ASSIGNOR HEREBY grants the ASSIGNEE, its successors, legal representatives and assigns, the power to insert in this Assignment any further identification or information 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.

ASSIGNOR HEREBY covenants and agrees that he/she has full rights to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict herewith.

ASSIGNOR HEREBY further covenants and agrees that he/she will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to them respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, reexamination and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

(Signatures begin on page 3)

T. Takebe

Takanori Takebe

June 4/18

Date

STATE OF _____)
) SS:
COUNTY OF _____)

Sworn to and subscribed before me this _____ day of _____,

Notary Public

Tadahiro Shinozawa

Tadahiro Shinozawa

06/04/18

Date

STATE OF _____)
) SS:
COUNTY OF _____)

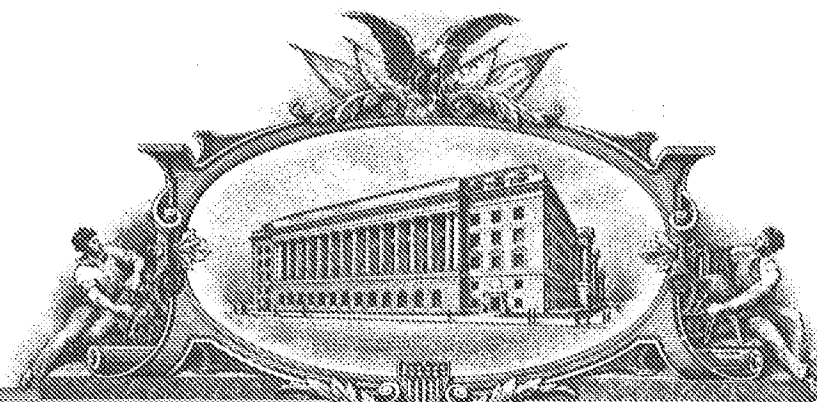
Sworn to and subscribed before me this _____ day of _____,

Notary Public

PATENT
REEL: 046268 FRAME: 0467

PATENT
REEL: 051365 FRAME: 0399

A 892,3785



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

November 14, 2019

**THIS IS TO CERTIFY THAT ANNEXED IS A TRUE COPY FROM THE
RECORDS OF THIS OFFICE OF A DOCUMENT RECORDED ON
JULY 5, 2018.**

**By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office**



W. Montgomery
W. MONTGOMERY
Certifying Officer