

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5342685

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL F. CLARKE	10/04/2001
SEAN J. MORRISON	10/03/2001
MAX S. WICHA	11/21/2001
MUHAMMAD AL-HAJJ	10/04/2001
RECEIVING PARTY DATA	
Name:	The Regents of The University of Michigan
Street Address:	1600 Huron Parkway, 2nd Floor
City:	Ann Arbor
State/Country:	MICHIGAN
Postal Code:	48109-2590
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15258419
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	UM-09943/US-4/CON
NAME OF SUBMITTER:	JASON R. BOND
SIGNATURE:	/Jason R. Bond/
DATE SIGNED:	01/25/2019
Total Attachments: 5	
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ASSIGNMENT

We, Michael F. Clarke, Sean J. Morrison, Max S. Wicha, and Mohammad al-Hajj, all of Ann Arbor, Michigan, the undersigned, 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 Wolverine Tower, Room 2071, 3003 South State Street, Ann Arbor, Michigan, United States, 48109-1280 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:

ISOLATION AND USE OF SOLID TUMOR STEM CELLS

filed with the U.S. Patent and Trademark Office on August 1, 2001 and assigned Serial No. 09/920,517, 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:

Michael F. Clarke

Signature of: Michael F. Clarke

IN WITNESS WHEREOF, We have hereunto set hand and seal

Evelyn K. Mitchell

Signature of witness:

this 4 day of October, 2001

Date of signing

EVELYN K. MITCHELL
NOTARY PUBLIC WASHTENAW CO., MI
MY COMMISSION EXPIRES Sep 2, 2004

Date:

Sean J. Morrison
Signature of: Sean J. Morrison

IN WITNESS WHEREOF, We have hereunto set hand and seal

Signature of witness:

this ____ day of _____

Date of signing

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:

Signature of: Michael F. Clarke

IN WITNESS WHEREOF, We have hereunto set hand and seal

Signature of witness:

this _____ day of _____
Date of signing

Date: 10/3/01

Sean J. Morrison

Signature of: Sean J. Morrison

IN WITNESS WHEREOF, We have hereunto set hand and seal

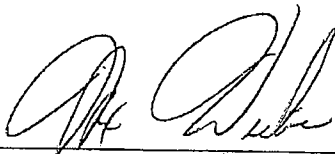
Evelyn K. Mitchell

Signature of witness:

this 3 day of October, 2001
Date of signing

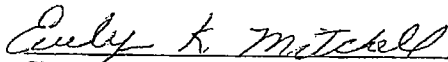
EVELYN K. MITCHELL
NOTARY PUBLIC WASHTENAW CO., MI
MY COMMISSION EXPIRES 8/31/2004

Date: 11/21/01



Signature of: Max S. Wicha

IN WITNESS WHEREOF, We have hereunto set hand and seal



NOTARY PUBLIC WASHTENAW CO., MI
MY COMMISSION EXPIRES Sep 2, 2004

Signature of witness:

this 21 day of NOV, 2001
Date of signing

Date:

Signature of: Mohammad al-Hajj

IN WITNESS WHEREOF, We have hereunto set hand and seal

Signature of witness:

this ___ day of _____
Date of signing

Date:

Signature of: Max S. Wicha

IN WITNESS WHEREOF, We have hereunto set hand and seal

Signature of witness:

this ____ day of _____
Date of signing

Date:

Muhammad Al-Hajj
Signature of: ~~Muhammad al-Hajj~~ ^{M. Al-Hajj}
Muhammad Al-Hajj

IN WITNESS WHEREOF, We have hereunto set hand and seal

Evelyn K Mitchell
Signature of witness:

this 4th day of October 2011
Date of signing

EVELYN K. MITCHELL
NOTARY PUBLIC WASHTENAW CO., MI
MY COMMISSION EXPIRES 6/28/2013