### 504254148 03/02/2017

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
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SIMONE SPULER	02/03/2017

### **RECEIVING PARTY DATA**

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State/Country:	GERMANY
Postal Code:	D-10117
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Street Address:	ROBERT-RÖSSLE-STRASSE 10
City:	BERLIN
State/Country:	GERMANY
Postal Code:	D-13125

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15506726

#### CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: R. BURNS ISRAELSEN

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Address Line 4: PARK CITY, UTAH 84098

ATTORNEY DOCKET NUMBER:	M1023.10116US01
NAME OF SUBMITTER:	R. BURNS ISRAELSEN
SIGNATURE:	/R. Burns Israelsen, Reg. No. 42685/

PATENT 504254148 REEL: 041447 FRAME: 0563

DATE SIGNED: 03/02/2017

Total Attachments: 2
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PATENT REEL: 041447 FRAME: 0564

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT OF UNITED STATES RIGHTS FOR SINGLE ASSIGNEE

Title of Invention	METHOD FOR CULTIVATING STEM CELLS IN VITRO	
Docket Number	M1023,10116US01	
	entor, I hereby declare that:	
This declaration is directed to:	The attached application, or	
	United States application or PCT international application number PCT/BP2015/069442 filed on August 25, 2015.	
The above-identified ap	plication was made or authorized to be made by me.	
I believe that I am the or	riginal inventor or an original joint inventor of a claimed invention in the application.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
WHEREAS, C	HARITÉ - UNIVERSITÄTSMEDIZIN BERLIN, having a principal place of business at Charitéplatz 1,	
D-10117 Berlin, Germa filed thereon.	ny, desires to secure an equal, undivided right, title and interest in said invention and the patent application	
WHEREAS, MAX-DELBRÜCK-CENTRUM FÜR MOLEKULARE MEDIZIN (MDC) BERLIN-BUCH, having a principal place of business at Robert-Rössle-Straße 10, D-13125 Berlin, Germany, desires to secure an equal, undivided right, title and interest in said invention and the patent application filed thereon.		
As used hereina	fter, the term "ASSIGNEE" refers to the foregoing parties either collectively or individually.	
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR hereby assigns to the ASSIGNEE, the entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application filed in the United States, and reissues, extensions and renewals of Letters Patent granted thereon in the United States, and in all Letters Patents issuing on any such patent applications in the United States.		
ASSIGNOR hereby assigns to the ASSIGNEE the right to claim priority in the United States, under the terms of the International Convention and any other relevant treaties, to any prior patent application for said invention filed in a country foreign to the United States or to a prior international patent application for said invention.		
ASSIGNOR hereby authorizes and requests the United States Patent & Trademark Office to issue any and all of said Letters Patent to the ASSIGNEE as the assignee of ASSIGNOR'S entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted.		
Further, ASSIGNOR agrees, without further consideration, to communicate to the ASSIGNEE any facts known to ASSIGNOR respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States.		
LEGAL NAME OF IN		
Inventor: Simone	SPULER Date: 3. Film. 2017	
Signature:	Chow forw	

MASCHOFF BRENNAN, PLLC 1389 Center Drive, Suite 300 PARK CITY, UTAH 84098, USA

> PATENT REEL: 041447 FRAME: 0565

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT OF UNITED STATES RIGHTS FOR SINGLE ASSIGNEE

Title of Invention	METHOD FOR CULTIVATING STEM CELLS IN VITRO	
Docket Number	M1023.10116US01	
As the below named inv	entor, I hereby declare that:	
This declaration is directed to:	The attached application, or	
	United States application or PCT international application number PCT/EP2015/069442 filed on August 25, 2015.	
The above-identified application was made or authorized to be made by me.		
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1901 by fine or imprisonment of not more than five (5) years, or both.		
WHEREAS, C	HARITÉ - UNIVERSITÄTSMEDIZIN BERLIN, having a principal place of business at Charitéplatz 1,	
D-10117 Berlin, Germany, desires to secure an equal, undivided right, title and interest in said invention and the patent application filed thereon.		
WHEREAS, MAX-DELBRÜCK-CENTRUM FÜR MOLEKULARE MEDIZIN (MDC) BERLIN-BUCH, having a principal place of business at Robert-Rössle-Straße 10, D-13125 Berlin, Germany, desires to secure an equal, undivided right, title and interest in said invention and the patent application filed thereon.		
As used hereina	fter, the term "ASSIGNEE" refers to the foregoing parties either collectively or individually.	
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR hereby assigns to the ASSIGNEE, the entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application filled in the United States, and reissues, extensions and renewals of Letters Patent granted thereon in the United States, and in all Letters Patents issuing on any such patent applications in the United States.		
ASSIGNOR hereby assigns to the ASSIGNEE the right to claim priority in the United States, under the terms of the International Convention and any other relevant treaties, to any prior patent application for said invention filed in a country foreign to the United States or to a prior international patent application for said invention.		
ASSIGNOR hereby authorizes and requests the United States Patent & Trademark Office to issue any and all of said Letters Patent to the ASSIGNEE as the assignee of ASSIGNOR'S entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted.		
Further, ASSIGNOR agrees, without further consideration, to communicate to the ASSIGNEE any facts known to ASSIGNOR respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States.		
LEGAL NAME OF INVENTOR /		
Inventor: Andrea	s MARG / J	
Signature:	109	

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> PATENT REEL: 041447 FRAME: 0566

RECORDED: 03/02/2017