

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5112750

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the CONVEYING PARTY DATA, EXECUTION DATE OF HIROSHI KAWAMOTO previously recorded on Reel 045894 Frame 0800. Assignor(s) hereby confirms the ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RICHARD BOYD	02/01/2017
ALAN TROUNSON	02/02/2017
HIROSHI KAWAMOTO	02/08/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CARTHERICS PTY. LTD.
<b>Street Address:</b>	C/- CFO SOLUTIONS, SUITE 1
<b>Internal Address:</b>	1233 HIGH STREET
<b>City:</b>	ARMADALE, VICTORIA
<b>State/Country:</b>	AUSTRALIA
<b>Postal Code:</b>	3143
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15778836
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(516)742-4366
<i>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.</i>	
<b>Phone:</b>	516-742-4343
<b>Email:</b>	jmoses@ssmp.com
<b>Correspondent Name:</b>	SCULLY, SCOTT, MURPHY & PRESSER PC
<b>Address Line 1:</b>	400 GARDEN CITY PLAZA, STE. 300
<b>Address Line 4:</b>	GARDEN CITY, NEW YORK 11530
<b>ATTORNEY DOCKET NUMBER:</b>	34247
<b>NAME OF SUBMITTER:</b>	XIAOCHUN ZHU
<b>SIGNATURE:</b>	/Xiaochun Zhu/
<b>DATE SIGNED:</b>	08/28/2018
<b>Total Attachments: 6</b>	

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>RICHARD BOYD</td><td>02/01/2017</td></tr><tr><td>ALAN TROUNSON</td><td>02/02/2017</td></tr><tr><td>HIROSHI KAWAMOTO</td><td>02/13/2017</td></tr></tbody></table>	Name	Execution Date	RICHARD BOYD	02/01/2017	ALAN TROUNSON	02/02/2017	HIROSHI KAWAMOTO	02/13/2017					
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<table border="1"><tr><td><b>Name:</b></td><td>CARTHERICS PTY. LTD.</td></tr><tr><td><b>Street Address:</b></td><td>C/- CFO SOLUTIONS, SUITE 1</td></tr><tr><td><b>Internal Address:</b></td><td>1233 HIGH STREET</td></tr><tr><td><b>City:</b></td><td>ARMADALE, VICTORIA</td></tr><tr><td><b>State/Country:</b></td><td>AUSTRALIA</td></tr><tr><td><b>Postal Code:</b></td><td>3143</td></tr></table>	<b>Name:</b>	CARTHERICS PTY. LTD.	<b>Street Address:</b>	C/- CFO SOLUTIONS, SUITE 1	<b>Internal Address:</b>	1233 HIGH STREET	<b>City:</b>	ARMADALE, VICTORIA	<b>State/Country:</b>	AUSTRALIA	<b>Postal Code:</b>	3143	
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<b>Correspondent Name:</b>	SCULLY SCOTT MURPHY & PRESSER, PC												
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<b>Address Line 4:</b>	GARDEN CITY, NEW YORK 11530												
<b>ATTORNEY DOCKET NUMBER:</b>	34247												

PATENT

REEL: 017318 FRAME: 0541

<b>NAME OF SUBMITTER:</b>	XIAOCHUN ZHU
<b>Signature:</b>	/Xiaochun Zhu/
<b>Date:</b>	05/24/2018
<b>Total Attachments: 4</b> source=34247_Assignment#page1.tif source=34247_Assignment#page2.tif source=34247_Assignment#page3.tif source=34247_Assignment#page4.tif	
<b>RECEIPT INFORMATION</b>  <b>EPAS ID:</b> PAT4976641 <b>Receipt Date:</b> 05/24/2018	

PATENT

REEL: 047318 FRAME: 0542

**ASSIGNMENT**

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the undersigned, Richard BOYD, Alan TROUNSON and Hiroshi KAWAMOTO,

Hereby sell, assign and transfer to **CARTHERICS PTY. LTD.** ("Assignee"), having an address of c/o CFO Solutions, Suite 1, 1233 High Street, Armadale, Victoria 3143 Australia, and their successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all improvements which are disclosed and claimed, and as possessed by the undersigned, any and all improvements which are disclosed but not claimed, in the application entitled **"GENETICALLY MODIFIED CELLS AND USES THEREOF"** as filed on November 23, 2016 under International Patent Application No. PCT/AU2016/051141, claiming priority to AU 2015904933 filed November 27, 2015 and AU 2016901328 filed April 11, 2016, and in and to said application and all national phase applications, divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed on any of said improvements disclosed in said application; and in and to all original and reissued patents which have been or shall be issued on said improvements;

Agree that said Assignee may apply for and receive Letters Patent in all countries designated in said international application for said improvements, or any of them; and may claim, in applications for said foreign Letters Patent, the priority of the aforesaid applications under the provisions of the International Convention; and that, when requested, without charge to but at the expense of said Assignee, their successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will, for the United States and the non-US countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, their successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, their successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, their successors, assigns and legal representatives; and

**Covenant** with said Assignee, their successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

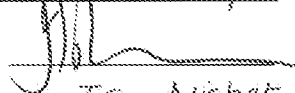
  
Richard Boyd

Date: 1/2/17

Witness:   
Karen London

  
Alan Trounson

Date: 2.8.17

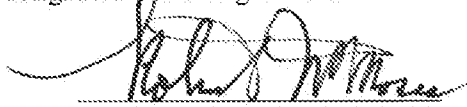
Witness:   
Ian Nisbet

\_\_\_\_\_  
Hiroshi Kawamoto

Date: \_\_\_\_\_

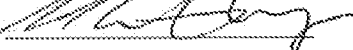
Witness: \_\_\_\_\_

We accept this assignment with all rights and obligations pertaining thereto.

  
CARTHERICS PTY. LTD.

Name: Mr. Bob Moses

Title: Chairman

Date: 

Witness: 13/02/2017

KELLIE CARTLEDGE

**ASSIGNMENT**

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the undersigned, Richard BOYD, Alan TROUNSON and Hiroshi KAWAMOTO,

Hereby sell, assign and transfer to **CARTHERICS PTY. LTD.** ("Assignee"), having an address of c/o CFO Solutions, Suite 1, 1233 High Street, Armadale, Victoria 3143 Australia, and their successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all improvements which are disclosed and claimed, and as possessed by the undersigned, any and all improvements which are disclosed but not claimed, in the application entitled "**GENETICALLY MODIFIED CELLS AND USES THEREOF**" as filed on November 23, 2016 under International Patent Application No. PCT/AU2016/051141, claiming priority to AU 2015904933 filed November 27, 2015 and AU 2016901328 filed April 11, 2016, and in and to said application and all national phase applications, divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed on any of said improvements disclosed in said application; and in and to all original and reissued patents which have been or shall be issued on said improvements;

Agree that said Assignee may apply for and receive Letters Patent in all countries designated in said international application for said improvements, or any of them; and may claim, in applications for said foreign Letters Patent, the priority of the aforesaid applications under the provisions of the International Convention; and that, when requested, without charge to but at the expense of said Assignee, their successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will, for the United States and the non-US countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, their successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, their successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, their successors, assigns and legal representatives; and

**Covenant** with said Assignee, their successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Richard Boyd  
Richard Boyd

Date: 1/2/17  
Witness: [Signature]

[Signature]  
Alan Trounson

Date: 2.8.17  
Witness: [Signature]

Hiroshi Kawamoto  
Hiroshi Kawamoto

Date: Feb 8, 2017  
Witness: [Signature]

We accept this assignment with all rights and obligations pertaining thereto.

CARTHERICS PTY. LTD.

Name:  
Title:

Date: \_\_\_\_\_

Witness: \_\_\_\_\_