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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL J. ABRAMS	08/28/2018
JAMES HEYES	08/24/2018
ADAM JUDGE	08/29/2018
KIEU MONG LAM	09/14/2018
LORNE RALPH PALMER	08/24/2018
STEPHEN P. REID	08/23/2018
EDWARD D. YAWORSKI	08/23/2018

RECEIVING PARTY DATA

Name:	ARBUTUS BIOPHARMA CORPORATION
Street Address:	100-8900 GLENLYON PARKWAY
City:	BURNABY, BRITISH COLUMBIA
State/Country:	CANADA
Postal Code:	V5J 5J8

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16312162

CORRESPONDENCE DATA

Fax Number: (952)876-4098

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: 9528764063

Email: jwilman@vhpmlaw.com, docketing@vhpmlaw.com

Correspondent Name: VIKSNINS HARRIS PADYS MALEN LLP
Address Line 1: 7851 METRO PARKWAY SUITE 325
Address Line 4: BLOOMINGTON, MINNESOTA 55425

ATTORNEY DOCKET NUMBER:	08165.063US2
NAME OF SUBMITTER:	JULIE WILMAN
SIGNATURE:	/Julie Wilman/
DATE SIGNED:	03/05/2019

Total Attachments: 18
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ASSIGNMENT

WHEREAS, I/we, (each referred to as "Assignor")

MICHAEL J. ABRAMS	
JAMES HEYES	
ADAM JUDGE	8.41.4947
KIEU MONG LAM	
LORNE RALPH PALMER	
STEPHEN P. REID	
EDWARD D. YAWORSKI	

made certain new and useful inventions and improvements for which I/we filed the following patent application(s)

COUNTRY	SERIAL NUMBER	FILING DATE
PCT	PCT/US2017/040446	JUNE 30, 2017

AND WHEREAS, <u>ARBUTUS BIOPHARMA CORPORATION</u>, having an office and place of business at <u>100-8900 Glenlyon Parkway</u>, <u>Burnaby</u>, <u>British Columbia V5J 5J8 CANADA</u> (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to any Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I/we hereby sell, assign, transfer and set over unto said Assignee, including its successors and assigns, my/our entire right, title and interest to all inventions disclosed in the aforesaid application(s), including all rights to claim priority therefrom, and to any and all present or future patent applications to such inventions filed in the United States or any other country or region, inclusive of, but not limited to, all divisions, continuations, continuations-in-part, renewals thereof, substitutions, reexaminations, reissues, provisional patent applications, applications filed under the Patent Cooperation Treaty, certificates of addition, utility models,

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and petty patents, as well as all other intellectual property related to the applications, inclusive of, but not limited to, supplementary protection certificates, and to any and all Letters Patents and any related patent term extensions that may be granted for said Letters Patents with respect

to the applications; all of the above to be held by Assignee as fully and entirely as the same

would have been held by me had this Assignment not been made.

AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/our

executors and legal representatives will make, execute and deliver any and all other instruments

in writing including any and all further application papers, affidavits, assignments and other

documents, and will communicate to said Assignee, its successors and representatives all facts

known to me relating to said improvements and the history thereof and will testify in all legal

proceedings and generally do all things which may be necessary or desirable more effectually to

secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in

and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits,

privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I/we covenant and agree with said Assignee, its successors and

assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and

property herein conveyed has been made to others by me/us and that full right to convey the

same as herein expressed is possessed by me/us.

PATENT

REEL: 048510 FRAME: 0279

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of _____, 2018. MICHAEL J. ABRAMS Witnessed by _____ on this ____ day of ____, 2018. Witness Name/Title IN TESTIMONY WHEREOF, I have hereunto set my hand this 24 day of AUGUST , 2018. Witnessed by MARIM on this 24 day of My, 2018. IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of ______, 2018. **ADAM JUDGE** Witnessed by _____ on this ____ day of ____, 2018.

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PATENT REEL: 048510 FRAME: 0280

IN TESTIMONY WHEREOF, I have hereunto set my hand this 14th day of September, 2018. KIELI MONG LAM Witnessed by Harris on this 14 day of Sept, 2018. Manai Olfa Admin IN TESTIMONY WHEREOF, I have hereunto set my hand this 24 day of Ang 45+ , 2018. LORNE RALPH PALMER Witnessed by HARIVE on this 24 day of Avg , 2018. Witness Name/Title IN TESTIMONY WHEREOF, I have hereunto set my hand this 23 day of August, 2018. STEPHEN P. REID Witnessed by <u>Illust</u> on this <u>23</u> day of <u>Aug</u>, 2018.

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PATENT REEL: 048510 FRAME: 0281

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IN TESTIMONY, 20		have hereunto	set my hand this	day of
		EDWA	ARD D. YAWORSKI	
Witnessed by	on this	day of	, 2018.	
		Witne	ess Name/Title	

Docket No: 08165.063WO1 Serial No.: PCT/US2017/040446 Page 6 of 6

We agree to and accept the attached assignment document on this day of October, 2018.

FOR ARBUTUS BIOPHARMA CORPORATION

SIGNATURE

NAME: Barry McGurl

TITLE: Senior Director, Intellectual Property

ASSIGNMENT

WHEREAS, I/we, (each referred to as "Assignor")

MICHAEL J. ABRAMS	
JAMES HEYES	
ADAM JUDGE	
KIEU MONG LAM	
LORNE RALPH PALMER	halis and a second of the seco
STEPHEN P. REID	14-page - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
EDWARD D. YAWORSKI	

made certain new and useful inventions and improvements for which I/we filed the following patent application(s)

COUNTRY	SERIAL NUMBER	FILING DATE
PCT	PCT/US2017/040446	JUNE 30, 2017

AND WHEREAS, <u>ARBUTUS BIOPHARMA CORPORATION</u>, having an office and place of business at <u>100-8900 Glenlyon Parkway</u>, <u>Burnaby</u>, <u>British Columbia V5J 5J8 CANADA</u> (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to any Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I/we hereby sell, assign, transfer and set over unto said Assignee, including its successors and assigns, my/our entire right, title and interest to all inventions disclosed in the aforesaid application(s), including all rights to claim priority therefrom, and to any and all present or future patent applications to such inventions filed in the United States or any other country or region, inclusive of, but not limited to, all divisions, continuations, continuations-in-part, renewals thereof, substitutions, reexaminations, reissues, provisional patent applications, applications filed under the Patent Cooperation Treaty, certificates of addition, utility models,

Docket No: 08155.063WO1 Serial No.: PCT/US2017/040446

Page 2 of 6

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of, but not limited to, supplementary protection certificates, and to any and all Letters Patents

and any related patent term extensions that may be granted for said Letters Patents with respect

to the applications; all of the above to be held by Assignee as fully and entirely as the same

would have been held by me had this Assignment not been made.

AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/our

executors and legal representatives will make, execute and deliver any and all other instruments

in writing including any and all further application papers, affidavits, assignments and other

documents, and will communicate to said Assignee, its successors and representatives all facts

known to me relating to said improvements and the history thereof and will testify in all legal

proceedings and generally do all things which may be necessary or desirable more effectually to

secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in

and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits,

privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I/we covenant and agree with said Assignee, its successors and

assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and

property herein conveyed has been made to others by me/us and that full right to convey the

same as herein expressed is possessed by me/us.

PATENT

REEL: 048510 FRAME: 0285

	ESTIMONY , 20	WHEREOF,	I have	hereunto	set	my	hand	this		day	of
				MICH	IAEL	J. AF	BRAM	S			
Witnessed by		on this	da	y of	,	2018	3.				
			_	Witn	ess Na	ame/T	Title				
			····								-
	ESTIMONY , 20	WHEREOF, 18.	I have	hereunto	set	my	hand	this		day	of
				JAM	IES H	EYE	ŝ				
Witnessed by		on this	da	y of	,	2018	3.				
				Witn	ess Na	ame/T	Title				
in ti August	ESTIMONY , 20	WHEREOF, 18.	I have	dm	set	la La	f/2	this	29	day	of
Witnessed by	BRLO	$\frac{1}{2}$ on this $\frac{2}{2}$	29_ da			-					
				RUT	4	SA	LM	oN)			

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> PATENT REEL: 048510 FRAME: 0286

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2018. **KIEU MONG LAM** Witnessed by _____ on this ____ day of ____, 2018. Witness Name/Title IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2018. LORNE RALPH PALMER Witnessed by _____ on this ____ day of ____, 2018. Witness Name/Title IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2018. STEPHEN P. REID Witnessed by _____ on this ____ day of _____, 2018.

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PATENT REEL: 048510 FRAME: 0287

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	NY WHEREOF, I have hereunto set my hand this day of , 2018.
	EDWARD D. YAWORSKI
Witnessed by	on this day of, 2018.
	Witness Name/Title

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FOR ARBUTUS BIOPHARMA CORPORATION

SIGNATURE

NAME: Barry McGurl

TITLE: Senior Director, Intellectual Property

ASSIGNMENT

WHEREAS, I/we, (each referred to as "Assignor")

MICHAEL J. ABRAMS
JAMES HEYES
ADAM JUDGE
KIEU MONG LAM
LORNE RALPH PALMER
STEPHEN P. REID
EDWARD D. YAWORSKI

made certain new and useful inventions and improvements for which I/we filed the following patent application(s)

COUNTRY	SERIAL NUMBER	FILING DATE
PCT	PCT/US2017/040446	JUNE 30, 2017

AND WHEREAS, <u>ARBUTUS BIOPHARMA CORPORATION</u>, having an office and place of business at <u>100-8900 Glenlyon Parkway</u>, <u>Burnaby</u>, <u>British Columbia V5J 5J8 CANADA</u> (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to any Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I/we hereby sell, assign, transfer and set over unto said Assignee, including its successors and assigns, my/our entire right, title and interest to all inventions disclosed in the aforesaid application(s), including all rights to claim priority therefrom, and to any and all present or future patent applications to such inventions filed in the United States or any other country or region, inclusive of, but not limited to, all divisions, continuations, continuations-in-part, renewals thereof, substitutions, reexaminations, reissues, provisional patent applications, applications filed under the Patent Cooperation Treaty, certificates of addition, utility models,

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and any related patent term extensions that may be granted for said Letters Patents with respect

to the applications; all of the above to be held by Assignee as fully and entirely as the same

would have been held by me had this Assignment not been made.

AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/our

executors and legal representatives will make, execute and deliver any and all other instruments

in writing including any and all further application papers, affidavits, assignments and other

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known to me relating to said improvements and the history thereof and will testify in all legal

proceedings and generally do all things which may be necessary or desirable more effectually to

secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in

and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits,

privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I/we covenant and agree with said Assignee, its successors and

assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and

property herein conveyed has been made to others by me/us and that full right to convey the

same as herein expressed is possessed by me/us.

PATENT

REEL: 048510 FRAME: 0291

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27/1 day of on this 28 day of August, 2018. IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of , 2018. JAMES HEYES Witnessed by _____ on this ____ day of ____, 2018. Witness Name/Title IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of ______, 2018. **ADAM JUDGE** Witnessed by _____ on this _____ day of _____, 2018.

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PATENT REEL: 048510 FRAME: 0292

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of , 2018. **KIEU MONG LAM** Witnessed by _____ on this ____ day of ____, 2018. Witness Name/Title IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2018. LORNE RALPH PALMER Witnessed by ______ on this _____ day of ______, 2018. Witness Name/Title IN TESTIMONY WHEREOF, I have hereunto set my hand this day of _____, 2018. STEPHEN P. REID Witnessed by _____ on this ____ day of _____, 2018.

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PATENT REEL: 048510 FRAME: 0293

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23 day	of
Aug., 2018.	
EDWARD D. YAWORSKI	
Witnessed by Mull on this 23 day of Avy, 2018.	
Witness Name/Title	
Withess Name/Title	

Docket No: 08165.063WO1 Serial No.: PCT/US2017/040446 Page 6 of 6

We agree to and accept the attached assignment document on this 3 hd day of October, 2018.

FOR ARBUTUS BIOPHARMA CORPORATION

SIGNATURE:

NAME: Barry McGurl

TITLE: Senior Director, Intellectual Property

PATENT REEL: 048510 FRAME: 0295

RECORDED: 03/05/2019