504080888 11/03/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PIETER R. CULLIS	03/30/2011
MARCO A. CIUFOLINI	03/25/2011

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14838703

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DATE SIGNED:	11/03/2016	

Total Attachments: 2

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PATENT 504080888 REEL: 040215 FRAME: 0649

ASSIGNMENT

WHEREAS, we, Pieter R. Cullis and Marco A. Ciufolini (hereinafter referred to as ASSIGNORS), having post office addresses of 3732 West 1st Avenue, Vancouver, British Columbia, V6R 1H4, Canada and 313 - 2121 West 6th Avenue, Vancouver, British Columbia V6K 1V5, Canada, are joint inventors together with Michael J. Hope, Sean C. Semple, Jianxin Chen, Thomas D. Madden and Barbara Low Shoud Mui of an invention entitled "IMPROVED AMINO LIPIDS AND METHODS FOR THE DELIVERY OF NUCLEIC ACIDS," as described and claimed in the specification for which a PCT international application was filed in the U.S. Receiving Office of the PCT on October 9, 2009, and which was assigned PCT International Application No. PCT/US2009/60251; and

WHEREAS, said PCT international application claims priority to U.S. Provisional Patent Application Nos. 61/104,212 filed October 9, 2008; 61/104,219, filed October 9, 2008; and 61/220,666, filed June 26, 2009; and

WHEREAS, The University of British Columbia, (hereinafter referred to as ASSIGNEE), having a place of business at #103-6190 Agronomy Road, Vancouver, British Columbia, V6T 1Z3, Canada, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE their entire right, title and interest in and to said invention, said PCT international application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States provisional applications to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, PCT international application and all letters patent on said invention to be held and enjoyed by ASSIGNEES and their successors and assign as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

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PATENT REEL: 020266 FRAME: 0656

This Assignment is	s effective as of October 9, 2008
Mov.3	0, 2011
Date	Pieter R. Cullis
Province of British	n Columbia)
) ss.
Country of Canada	1)
I ce	ertify that I know or have satisfactory evidence that Pieter R. Cullis is the
person who appe	eared before me, and said person acknowledged that he/she signed this
instrument and ac	knowledged it to be his/her free and voluntary act for the uses and/purposes
mentioned in the in	nstrument.
•	Dated MAR. 30, 3011
A Notary in and for the Province	e of British Columbianature of
#103 - 619 <mark>0 Agronomy Roac</mark> Vancou <mark>ver, BC V6T 1Z3</mark>	Notary Public ////////////////////////////////////
Telephone: 604-822-8167 Fax: 604-822-8589	Printed Name Printed Name
	My appointment does not expire. My appointment does not expire. Industry Sponsored Research
W d 25	The University of British Colum
-/ 0° (/-	
Date	Marco A. Ciufolini
Province of British	n Columbia)
) ss.
Country of Canada	•
I ce	ertify that I know or have satisfactory evidence that Marco A. Ciufolini is the
	eared before me, and said person acknowledged that he/she signed this
	knowledged it to be his/her free and voluntary act for the uses and purposes
mentioned in the i	ニュー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
	Dated MAR. 25, 2011
₹	Signature of
	Notary Public
	Printed Name
	My appointment does not expire.
1487582_1.DOC (480208.461PC)	JENNIFER A. SCHMIDT A Notary in and for the Province of British Columbia #103 - 6190 Agronomy Road, Vancouver, BC V6T 1Z3 Telephone: 604-822-8167 Fax: 604-822-8589 JENNIFER A. SCHMIDT Barrister & Solicitor Industry Sponsored Research The University of British Columbia

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RECORDED: 05/03/2016