504080872 11/03/2016 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4127540

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ		
		Name	Execution Date
MICHAEL J. HOPE			03/19/2010
SEAN C. SEMPLE			02/24/2010
JIANXIN CHEN			02/23/2010
THOMAS D. MADDEN			02/18/2010
BARBARA LOW SHOUL) MUI		04/09/2010
RECEIVING PARTY DA	ТА		
Name:	TEKMI	RA PHARMACEUTICALS CORPO	RATION
Street Address:	200-89	200-8900 GLENLYON PARKWAY	
City:	BURNA	ABY, BRITISH COLUMBIA	
State/Country:	CANADA		
Postal Code:	V5J 5J8		
PROPERTY NUMBERS Property Type		Number	
Application Number:		14838703	
CORRESPONDENCE D			
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ATTORNEY DOCKET NU	JMBER:	08155.018US2	
NAME OF SUBMITTER:		YANG LI	
SIGNATURE:		/Yang Li/	
DATE SIGNED: 11/03/2016		11/02/2016	
		11/03/2016	

Total Attachments: 6

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ASSIGNMENT

WHEREAS, we, Michael J. Hope, Sean C. Semple, Jianxin Chen, Thomas D. Madden and Barbara Low Shoud Mui (hereinafter referred to as ASSIGNORS), having post office addresses of 3550 West 11th Avenue, Vancouver, British Columbia, V6R 2K2, Canada; 10836 Magnolia Court, Delta, British Columbia, V4E 3L5, Canada; 3948 West 18th Avenue, Vancouver, British Columbia, V6S 1B7, Canada; 2714 West 31st Avenue, Vancouver, British Columbia, V6S 1B7, Canada; 2714 West 31st Avenue, Vancouver, British Columbia, V6S 1B7, Canada; 2714 West 31st Avenue, Vancouver, British Columbia, V6S 1B7, Canada; 2714 West 31st Avenue, Vancouver, British Columbia, V6L 2A1, Canada; and 1158 East 11th Avenue, Vancouver, British Columbia, V5T 2G3, Canada are joint inventors together with Pieter R. Cullis and Marco A. Ciufolini 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, Tekmira Pharmaceuticals Corporation, (hereinafter referred to as ASSIGNEE), having a place of business at 200-8900 Glenlyon Parkway, Burnaby, British Columbia, V5J 5J8, 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

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PATENT REEL: 026266 FRAME: 0598

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.

This Assignment is effective as of October 9, 2008. 2010 Michael J. Hope Date Provice of British Columbia)) SS. Country of Canada) I certify that I know or have satisfactory evidence that Michael J. Hope is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument. 20100 Dated | Signature of Notary Public Printed Name V6R 3R8 My appointment d fotexpire геl: 604 Date Sean C. Semple Provice of British Columbia)) SS. Country of Canada) I certify that I know or have satisfactory evidence that Sean C. Semple is the

person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated	
Signature of	
Notary Public	
Printed Name	
My appointmen	t does not expire

Page 2 of 4

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.

This Assignment is effective as of October 9, 2008.

Date	Michael J. Hope
Provice of British Columbia)
) ss.
Country of Canada)
I certify that I k	now or have satisfactory evidence that M

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SS.

I certify that I know or have satisfactory evidence that Michael J. Hope is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated		
Signature of		
Notary Public		
Printed Name		
My appointmen	nt does not expire	

FEBRUARY 24, 2010 Date

Sean C. Semple

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Provice of British Columbia

Country of Canada

I certify that I know or have satisfactory evidence that Sean C. Semple is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated	February	24	2010
Signature of	. 11	/	
Notary Public	Sellel-	ELISABET	H RECHSTEINER
Printed Name			otary Public 5050 Kingsway
	ent does not expire	Burnaby B	C V5H 4C2 Canada (4) 433-1911 nent Commission)

PATENT REEL: 026266 FRAME: 0599

Page 2 of 4

PCT Application No. PCT/US2009/60251

Feb.23,2010

Jianxin Chen

Date

Provice of British Columbia

Country of Canada

I certify that I know or have satisfactory evidence that Jianxin Chen is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

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SS.

Dated <u>Februa</u> Signature of	-y 23,2010
Notary Public	1 Aluchi
Printed Name	SHABBIR NANJI
My appointment does not o	Province of British Columbia 8516 Granville Street Vancouver, BC V6P 4Z7 Canada Tel: 604-263-1177 PERMANENT COMMISSION

Date	Thomas D. Madden		
Provice of British Columbia)		
) ss.		
Country of Canada)		
T			

I certify that I know or have satisfactory evidence that Thomas D. Madden is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated		
Signature of		
Notary Public		
Printed Name		
My appointment	loes not expire	

Jianxin Chen

Provice of British Columbia

Country of Canada

I certify that I know or have satisfactory evidence that Jianxin Chen is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

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SS.

SS.

Dated	
Signature of	
Notary Public	
Printed Name	
My appointment does not expire	

FE3WARY 18th ZOID

D. Hadin

Thomas D. Madden

Provice of British Columbia

Country of Canada

Date

I certify that I know or have satisfactory evidence that Thomas D. Madden is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated February (d, 3	2010
Signature of	4
Notary Public	The
Printed Name	FRED NGAN
My appointment does not expire	Notary Public #22 - 5729 West Boulevard Vancouver, B.C. V6M 3W8 Tel: (604) 264-8899

PATENT REEL: 020266 FRAME: 0602

Olo

Barbara Low Shoud Mui

Provice of British Columbia

Country of Canada

I certify that I know or have satisfactory evidence that Barbara Low Shoud Mui is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

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SS.

Dated April 2	010
Signature of	
Notary Public	To Clothen .
Printed Name	V FILINOCSAUMBR
My appointment does not expire	FILIP de SAGHER NOTARY PUBLIC 2515 ALMA STREET
	VANCOUVER, B.C. V6R 3R8 TEL: 604-221-4343

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RECORDED: 05/03/2016