

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5146521

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WANGXUE CHEN	08/12/2016
RHONDA KUO LEE	08/12/2016
RECEIVING PARTY DATA	
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State/Country:	CANADA
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16134417
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SIGNATURE:	/Duane A. Stewart III/
DATE SIGNED:	09/18/2018
Total Attachments: 3	
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CONFIRMATORY ASSIGNMENT

WHEREAS, we, Wangxue CHEN, a citizen of CANADA residing at 217 Edgefield Terrace, Nepean, Ontario K2J 0L6, CANADA, and Rhonda KUO LEE, a citizen of CANADA residing at 748 Cezanne Crescent, Orleans, Ontario K4A 2B2, CANADA, in the course of our work at and/or for the National Research Council of Canada have made an invention (hereinafter the "Invention") for which we have made application for Letters Patent entitled

**USE OF FLUORINATED CYCLIC DINUCLEOTIDES AS ORAL VACCINE
ADJUVANTS**

Filed in the European Patent Office on June 22, 2016 under European Serial No. 14863869.5, filed in the Canadian Patent Office on May 19, 2016 under Canadian Serial No. 2,931,146 and filed in the United States Patent Office on May 20, 2016 under United States Serial No. 15/038,229, all of which are national phase entries of International Patent Application PCT/CA2014/051100 as filed in the Patent Cooperation Treaty Office on November 18, 2014 and claims priority to United States Provisional Application No. 61/907,606 filed on November 22, 2013 (hereinafter the "Application").

AND WHEREAS, National Research Council of Canada, a Departmental Corporation forming part of the Government of Canada, created by an act of Parliament, the National Research Council Act, R. S. C. 1985, c. N-15, having its principal offices at 1200 Montreal Road, Ottawa, Ontario K1A 0R6, CANADA. is our employer and/or maintains facilities or equipment that we used in making the Invention, and is the owner of our rights in the Invention by action of law, namely s. 3 of *The Public Servants Inventions Act* of Canada, or by agreement;

NOW, THEREFORE, in consideration of having been provided with an opportunity to participate in scientific research at the National Research Council of Canada and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, Wangxue CHEN and Rhonda KUO LEE hereby confirm that we

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did transfer to the National Research Council of Canada all of our right, title and interest in and to the Invention in all countries of the world and in and to the Application and all

subsequent patent applications based thereon, including any regular patent applications that claim priority therefrom, and any and all continuations, divisions and reissues of any of the foregoing, together with the right to claim priority from the Application under the provisions of any international agreements and national laws including the International Convention for the Protection of Industrial Property,

AND we hereby confirm that we have the right to make the assignment herein free of any encumbrances or interests of any other parties,

AND we hereby authorize the Commissioner of Patents and Trademarks, and any official of any country authorized to issue patents, to issue any Letters Patent for the Invention to National Research Council of Canada, to the extent that the same would have been issued to us in the event that ownership rested with us as inventors.

This Confirmatory Assignment is effective as of **November 22, 2013**.

Executed on August 12th, 2016

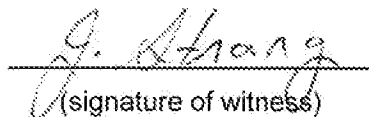


Wangxue CHEN

Declaration by Witness

I, Judi Strong, whose full post office address is HHT, CNRCC, Bldg. 40-54, Rm. 1103
say:

That I was personally present and did hear and see, **Wangxue CHEN**, who is personally known to me duly sign the above Confirmatory Assignment and confirm having read and understood all that it contains.



(signature of witness)

Judi Strong

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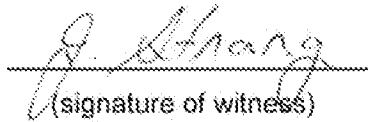
Executed on Aug 12/16


Rhonda KUO LEE

Declaration by Witness

I, Judi Strong, whose full post office address is
HHT, WRCC, Bldg. M-54, Rm. 1103
say:

That I was personally present and did hear and see, Rhonda KUO LEE, who is personally known to me duly sign the above Confirmatory Assignment and confirm having read and understood all that it contains.


(signature of witness)
Judi Strong