PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SCOTT GALLICHAN	11/15/2011
AUSRA MANCEVSKI	11/15/2011
NATHALIE REVENEAU	11/15/2011
JIN SU	11/15/2011

RECEIVING PARTY DATA

Name:	SANOFI PASTEUR LIMITED
Street Address:	1755 STEELES AVENUE WEST
City:	TORONTO
State/Country:	CANADA
Postal Code:	M2R 3T4

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	61413699
Application Number:	13885485

CORRESPONDENCE DATA

Fax Number:

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.

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ATTORNEY DOCKET NUMBER:	APL-10-12-PCT-US	
NAME OF SUBMITTER:	PATRICK J. HALLORAN	
SIGNATURE:	/PATRICK J. HALLORAN/	
DATE SIGNED:	03/18/2016	

Total Attachments: 2

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> **PATENT** REEL: 038026 FRAME: 0622

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ASSIGNMENT

WHEREAS, we, Scott GALLICHAN, a citizen of CANADA; Ausra MANCEVSKI, a citizen of CANADA; Nathalie REVENEAU, a citizen of France and Jin SU, a citizen of CANADA; (hereinafter referred to as the "Assignors"), residing at, respectively, 1125 Bryn Mawr Lane, Burlington, Ontario, L7P 0E1, Canada; 7 Swiss Court, Toronto, Ontario, M2M 4E2, Canada; 23 Mount Royal Avenue, Toronto, Ontario, M6H 2S2, Canada and 130 Pond Drive, UPH6, Markham, Ontario, L3T 7W5, Canada; have made certain inventions and discoveries disclosed in United States Provisional Patent Application Serial No. 61/413,699, filed on November 15, 2011; entitled "IMMUNOGENIC COMPOSITIONS".

AND WHEREAS, SANOFI PASTEUR LIMITED, whose full post office address is Connaught Campus, 1755 Steeles Avenue West, Toronto, Ontario, M2R 3T4, Canada, (hereinafter referred to as the "Assignee") is desirous of acquiring the entire right, title, and interest in and to said inventions and discoveries, and in and to the Applications inclusive of any and all priority rights derived therefrom for any and all countries in the world, and in and to any and all Letters Patent issuing in any and all countries in the world, to be granted for said inventions and discoveries based on any or all of said Applications or on patent applications filed in any country claiming priority from any or all of said Applications;

NOW, THEREFORE, for value received and intending to be legally bound, we, the undersigned joint inventors (Assignors), do hereby sell, assign, transfer, and set over unto the Assignee, its successors and assigns, our entire right, title, and interest in and to the inventions and discoveries disclosed in the Applications, and in and to the Applications and any continuations or divisions thereof and all priority rights derived therefrom, and in and to any and all patent applications and any continuations or divisions thereof filed in any country claiming priority from any of the Applications, and in and to all Letters Patent which may be granted upon the Applications or upon patent applications filed in any and all countries in the world claiming priority from any of the Applications, and in and to any and all reissues, substitutions, or prolongations thereof; the same to be held and enjoyed by the Assignee for its own use and behoof, and for the use and behoof of its successors and assigns, to the full end of the term or terms for which said Letters Patent, or reissues, substitutions, or prolongations thereof may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made;

AND we hereby agree that, upon request, and without further consideration, but at the expense of the Assignee, we will communicate to the Assignee or its representatives or nominees any facts known to us respecting said inventions and discoveries and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, and reissue applications.

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PATENT REEL: 038026 FRAME: 0623 make all rightful oaths and generally aid the Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protect for said inventions and discoveries in all countries, and we further agree to execute any and all further papers which may be necessary or desirable to vest or perfect the title of the Assignee, its successors and assigns, in and to said inventions and discoveries, and in and to any and all Letters Patent or reissues thereof which may be granted upon applications in any and all countries in the world.

AND we hereby authorize and request any official whose duty it is to issue patents to issue each and every Letters Patent to be granted upon the aforesaid applications in any and all countries, and each and every reissue of said Letters Patent, to the Assignee, its successors and assigns, as the assignee of our entire right, title and interest therein, in accordance with this assignment.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and we have full right to convey the same as herein expressed.

THIS assignment made effective as of the international filing date.

SIGNED at Joron to , this 15 day of	: Nov . 2011.
Dani	Swa Ar
WITNESS:	Scott GALLICHAN
SIGNED at Toronto, this 15 day o	f_Nov, 2011
WITNESS:	Ausra MANCEVSKI
SIGNED at TORONTO, this 15th day o	f <u>November</u> , 2011.
WITNESS:	Nathalie REVENEAU
SIGNED at Toronto, this (5th day o	1stovenber, 2011.
WITNESS:	Jin SU

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RECORDED: 03/18/2016