

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	NORMAN LETVIN	03/17/2009
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	BETH ISRAEL DEACONESS MEDICAL CENTER	
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<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	13094734	
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<b>ATTORNEY DOCKET NUMBER:</b>	BJS-1579-1697	
<b>NAME OF SUBMITTER:</b>	B. J. SADOFF	
<b>SIGNATURE:</b>	/B. J. Sadoff/	
<b>DATE SIGNED:</b>	03/23/2015	
<b>Total Attachments: 2</b>		
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Attorney Dkt: 01579-1373

ASSIGNMENT  
of U.S. Origin Patent Application

1) Norman LETVIN

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(hereinafter collectively ASSIGNOR), together with Bette T. KORBER, William FISCHER, Hua-Xin LIAO, Barton F. HAYNES and Beatrice H. HAHN, have made an invention known as Dkt. 01579-1373 and entitled: POLYVALENT VACCINE for which an application for Letters Patent of the United States

☐ was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;

☒ was filed on August 14, 2008, U.S. Application No. 12/192,015, which is a continuation-in-part of U.S. Application No. 11/990,222, filed February 8, 2008, which is the U.S. national phase of International Application No. PCT/US2006/032907, filed August 23, 2006, which claims priority from U.S. Provisional Application No. 60/710,154, filed August 23, 2005 and U.S. Provisional Application No. 60/739,413, filed November 25, 2005;

AND WHEREAS BETH ISRAEL DEACONESS MEDICAL CENTER, 330 Brookline Avenue, Boston, Massachusetts 02215

(hereinafter ASSIGNEE), desires to acquire an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its entire right, title and interest to the said invention in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, and foreign counterparts thereof, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres,

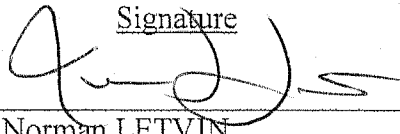
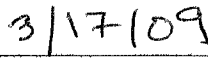

and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

The undersigned hereby authorize(s) Nixon & Vanderhye P.C. of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date(s) below indicated.

	<u>Signature</u>	<u>Date Signed</u>	<u>Witness</u>
1)	 _____ Norman LETVIN	 _____ 3/17/09	 _____ 