

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4395726

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALEX J. HARVEY	06/27/2014
JEFFREY C. RAPP	06/27/2014
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15181987
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<b>SIGNATURE:</b>	/Darlene Suarez/
<b>DATE SIGNED:</b>	05/03/2017
<b>Total Attachments: 4</b>	
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Joint

## ASSIGNMENT OF PATENT APPLICATION

WHEREAS, WE, **Alex J. Harvey**, citizen of USA, residing at 160 Fox Trace, Athens, GA 30606; **Jeffrey C. Rapp**, citizen of USA, residing at 265 Pinewood Circle; collectively, ASSIGNORS, have invented a certain improvement in **Production of Transgenic Avians using Improved Retroviral Vectors**, described in an application for Patent;

- the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);
- the specification of which is United States Provisional Application No.: 14/194,010, filed February 28, 2014;
- the specification of which is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. \_\_\_\_\_, filed \_\_\_\_\_;
- the specification of which is a Patent Cooperation Treaty Application, International Application No. \_\_\_\_\_, filed \_\_\_\_\_ which designated the United States of America;
- which was patented under United States Patent No. \_\_\_\_\_.

WHEREAS, **SYNAGEVA BIOPHARMA CORP.**, ASSIGNEE, a corporation organized and existing under the laws of the State of Delaware, and having a principal place of business at 33 Hayden Ave., Lexington, MA 02421, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title, and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as ASSIGNEE of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND WE HEREBY further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal

representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any further applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND WE HEREBY authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we hereunto set our hands and seal the day and year set opposite our signatures.

Assignor's Signature:

Alex J. Harvey  
Alex J. Harvey

Date: 6/27/14

STATE OF Georgia  
COUNTY OF Clarke ) SS

On this 27<sup>th</sup> day of June, 2014, before me, a notary public, came Alex J. Harvey, known to me to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

(SEAL)

Diane C Hermosillo  
Diane C Hermosillo  
Notary Public, Clarke County, Georgia  
My Commission Expires  
November 22, 2014

Inventor's Signature:

Jeffrey C. Rapp  
Jeffrey C. Rapp

6/27/14  
Date

Witnessed by:

M. F. Mouat  
Signature

MICHAEL F. MOUAT  
Printed Name

736 RIVERHILL DRIVE, ATHENS GA 30606  
Address

6/27/14  
Date