

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Board of Trustees of Michigan State University

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) April 7, 2009

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: Synageva BioPharma Corp.

Internal Address: _____

Street Address: 111 Riverbend Road

City: Athens

State: GA

Country: USA Zip: 30605

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

12/006,399 Published as US 2009/0042299

☐ This document is being filed together with a new application.

B. Patent No.(s)

6,825,396 Issued November 30, 2004
7,378,086 Issued May 27, 2008

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Kyle Yesland

Internal Address: Synageva BioPharma Corp.

Street Address: 111 Riverbend Road

City: Athens

State: GA Zip: 30605

Phone Number: (706) 227-1170 ext. 233

Fax Number: (706) 227-2180

Email Address: _____

6. Total number of applications and patents involved: 3

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 120.

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 501729

Authorized User Name Kyle Yesland

9. Signature:



Signature

April 8, 2009

Date

Kyle Yesland

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

CH \$120.00 501729 12008399

ASSIGNMENT

WHEREAS, the Board of Trustees of Michigan State University of East Lansing, Michigan ("ASSIGNOR"), is the owner of the entire right, title and interest in and to the patents and patent applications listed in the attached Schedule A ("MACARTHUR PATENT DOCUMENTS").

WHEREAS, Synageva Biopharma Corp, incorporated under the laws of the state of Delaware, having a place of business at 60 Hickory Drive, Waltham, MA 02451 ("ASSIGNEE"), is desirous of obtaining the entire right, title and interest in and to the MACARTHUR PATENT DOCUMENTS.

NOW, THEREFORE, in consideration of the assignment of the MACARTHUR PATENT DOCUMENTS from the ASSIGNOR TO THE ASSIGNEE, ASSIGNEE shall pay to ASSIGNOR a fee of [REDACTED]. Such payment shall be sent by the thirtieth (30) day from the last party to sign this agreement ("CLOSING DATE") or this assignment is null and void. On the CLOSING DATE, provided payment is received, the ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its successors and assignees, the entire right, title and interest in and to the MACARTHUR PATENT DOCUMENTS, including any related applications such as continuations, divisionals, continuation-in-part applications and foreign counterparts thereto, and to the inventions therein disclosed and all rights of enforcement thereto, including all rights to sue or recover for the past, present and future infringement thereof, and any and all choices in action related thereto. ASSIGNEE may apply for and receive patents in its own name wherever so permitted by law and the ASSIGNOR shall, when requested by ASSIGNEE, use reasonable efforts to and without further compensation, execute all rightful oaths, assignments, and powers of attorney, including but not limited to the right to file and prosecute in ASSIGNEE's own name, wherever so permitted by law, patent applications, including related and corresponding applications, and to claim priority of patent applications pursuant to the Paris Convention, to the ASSIGNEE and to agents and legal representatives of the ASSIGNEE, and all other papers necessary and proper to carry out the intent and purpose of this Assignment. ASSIGNEE shall be responsible for all costs relating to the MACARTHUR PATENT DOCUMENTS, arising after the CLOSING DATE to include, though not exhaustive, patent maintenance fees, patent filing fees, patent prosecution fees and legal fees related thereto.

ASSIGNOR retains no ownership rights in the patent applications, the patents, the inventions and the rights transferred to ASSIGNEE hereunder. [REDACTED]

[REDACTED] All rights not expressly granted

to ASSIGNEE hereunder are reserved by ASSIGNOR, and both ASSIGNEE and ASSIGNOR expressly acknowledge that nothing contained herein shall be construed or interpreted as a grant of any license, but limited to the assignment of the MACARTHUR PATENT DOCUMENTS. ASSIGNOR covenants and agrees to have full right to convey the entire interest herein assigned, and to have not executed, and will not execute, any agreement in conflict herewith.

IN TESTIMONY WHEREOF, ASSIGNOR has caused this Assignment to be executed by its duly authorized officer.

IN WITNESS WHEREOF, ASSIGNOR has caused this Assignment of the MACARTHUR PATENT DOCUMENTS to be executed by its duly authorized representative on this 30th day of March, 2009.

[ASSIGNOR]

By: 

Michael R. Poterala

Title: Executive Director, MSU Technologies

Date: April 6, 2009

On this 6th day of April, 2009, before me personally appeared Michael R. Poterala, proved to me on the basis of satisfactory evidence to be the person who executed the above Assignment as Executive Director, on behalf of the Board of Trustees of Michigan State University, and acknowledged to me that the company executed it.



Tana C. Boehm, Notary Public, State of Michigan
Clinton County, Acting in Ingham County

My Commission Expires: 11/29/2014

ASSIGNEE hereby acknowledges receipt of the entire right, title and interest in and to the MACARTHUR PATENT DOCUMENTS.

[ASSIGNEE]

By: 

Sanj K. Patel


Title: President & CEO

Date: April 7, 2009

**SCHEDULE A
(MACARTHUR PATENT DOCUMENTS)**

Serial No	Patent No	Title	File Date	Issue Date	Country	App Type
ZL97196343.6	ZL97196343.6	Vectors And Methods For Tissue Specific Synthesis Of Protein In Eggs Of Transgenic Hens	06/06/1997	02/27/2008	China	Nationalized PCT
PCT/US97/09889		Vectors and Methods for Tissue Specific Synthesis of Proteins in Eggs of Transgenic hens	06/06/1997	N/A	PCT	PCT
99106142.6		Vectors and Methods For Tissue Specific Synthesis of Protein In Eggs of Transgenic Hens	06/06/1997	Grant Notification	Hong Kong	Nationalized PCT
9810665		Vectors and Methods for Tissue Specific Synthesis of Protein in Eggs of Transgenic Hens	12/11/1998	Pending	Mexico	Nationalized PCT
97931074.5		Vectors And Methods For Tissue Specific Synthesis Of Protein In Eggs Of Transgenic Hens	06/06/1997	Published	Europe	Nationalized PCT
60/019,641		Vector for expression of proteins into eggs of transgenic hens	06/12/1996	N/A	U.S.	Provisional
333295	333295	Replication-Defective Retroviral Vectors and Methods for Tissue-Specific Synthesis of Protein in Eggs of Transgenic Avians	06/06/1997	06/06/1997	N.Z.	Nationalized PCT
2,257,871		Vectors And Methods For Tissue Specific Synthesis Of Protein In Eggs Of Transgenic Hens	06/06/1997	Pending	Canada	Nationalized PCT
18302/01	769622	Tissue Specific Synthesis Of Protein In Eggs Of Transgenic Hens	06/06/1997	05/13/2004	Australia	Nationalized PCT
12/008,399		Vectors and Methods for Tissue-Specific Synthesis of Protein in Eggs of Transgenic Hens	01/09/2008	Pending	U.S.	Continuation
10/935,905	7,378,086	A Retroviral Vector Having an Ovalbumin Promoter	09/08/2004	05/27/2008	U.S.	Non-Provisional
10/706,869		Vectors and Methods for Tissue Specific Synthesis of Protein in Eggs of Transgenic Hens	11/12/2003		U.S.	Non-Provisional
10-501724		Vectors and Methods for Tissue Specific Synthesis of Protein in Eggs of Transgenic Hens	06/06/1997	Pending	Japan	Nationalized PCT
08/844,175	6,825,396	Vectors And Methods For Tissue Specific Synthesis Of Protein In Eggs Of Transgenic Hens	04/18/1997	11/30/2004	U.S.	Non-Provisional
34799/97	726386	Vectors And Methods For Tissue Specific Synthesis Of Protein In Eggs Of Transgenic Hens	06/06/1997	02/15/2001	Australia	Nationalized PCT
503901	503901	Transgenic Avians Containing Replication-Defective Retroviral Vectors and Methods for Tissue-Specific Synthesis of Proteins	06/06/1997	12/17/2001	N.Z.	Nationalized PCT

ASSIGNOR Initials



ASSIGNEE Initials



PATENT

RECORDED: 04/08/2009

REEL: 022482 FRAME: 0997