

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Farshad Guirakhoo	01/04/2006
Jian Liu	12/30/2005
Thomas P. Monath	01/04/2006
John A. Catalan	12/27/2005
Konstantin V. Pugachev	12/27/2005

RECEIVING PARTY DATA

Name:	Acambis Inc.
Street Address:	38 Sidney Street
City:	Cambridge
State/Country:	MASSACHUSETTS
Postal Code:	02139

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	60718923
PCT Number:	US0537369

CORRESPONDENCE DATA

Fax Number: (617)428-7045  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
Phone: 6174280200  
Email: patentadministrator@clarkelbing.com  
Correspondent Name: Susan M. Michaud  
Address Line 1: Clark & Elbing LLP  
Address Line 2: 101 Federal Street  
Address Line 4: Boston, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER: 06132/099003

500433336

PATENT  
REEL: 020326 FRAME: 0210

CH \$80.00 60718923

NAME OF SUBMITTER:

Susan M. Michaud

**Total Attachments: 9**

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## ASSIGNMENT

For valuable consideration, we,

Full Name of Assignor	City	State (and Country if not USA)
Farshad Guirakhoo	Melrose	Massachusetts
Jian Liu	Sudbury	Massachusetts
John A. Catalan	Newton	Massachusetts
Thomas P. Monath	Harvard	Massachusetts
Konstantin V. Pugachev	Natick	Massachusetts

hereby assign to

Full Name of Assignee	State of Incorporation	Business Address
Acambis Inc.	Delaware	38 Sidney Street Cambridge, MA 02139-4169

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

Title of Application	Filing Date	Serial Number
Vaccines Against Japanese Encephalitis Virus and West Nile Virus	September 19, 2005	60/718,923
Vaccines Against Japanese Encephalitis Virus and West Nile Virus	October 19, 2005	PCT/US05/37369

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
this 4<sup>th</sup> day of January, 2006.

[Signature] L.S.  
Farshad Guirakhoo

STATE OF Massachusetts:

:ss.

COUNTY OF Middlesex:

Before me this 4<sup>th</sup> day of January, 2006, before me, the undersigned notary public, personally appeared Farshad Guirakhoo proved to me through satisfactory evidence of identification, which consisted of MA Drivers Lic# 563527186, to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Kellen Cambridge McSee  
Notary Public

My Commission Expires: October 27, 2011

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at \_\_\_\_\_,  
this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Jian Liu L.S.

STATE OF \_\_\_\_\_:

:ss.

COUNTY OF \_\_\_\_\_:

Before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned notary public, personally appeared Jian Liu, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

\_\_\_\_\_  
Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
this 27 day of December, 2005.

John A. Catalan L.S.  
John A. Catalan

STATE OF Massachusetts:

:ss.

COUNTY OF Middlesex:

Before me this 27 day of December, 2005, before me, the undersigned notary public, personally appeared John A. Catalan, proved to me through satisfactory evidence of identification, which consisted of MA Drivers Lic # 522048363, to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Kellen Cambridge McSee  
Notary Public

My Commission Expires: October 27, 2011

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
this 4<sup>th</sup> day of January, 2006.

Thomas P. Monath L.S.  
Thomas P. Monath

STATE OF Massachusetts:

:ss.

COUNTY OF Middlesex:


Before me this 4<sup>th</sup> day of JANUARY, 2006, before me, the undersigned notary public, personally appeared Thomas P. Monath, proved to me through satisfactory evidence of identification, which consisted of MA Drivers Lic # 511385022, to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Kellen Cambridge McSee  
Notary Public

My Commission Expires: October 27, 2011

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
this 27 day of December, 2005.


  
\_\_\_\_\_  
Konstantin V. Pugachev L.S.

STATE OF Massachusetts:

:ss.

COUNTY OF Middlesex:

Before me this 27 day of December, 2005, before me, the undersigned notary public, personally appeared Konstantin V. Pugachev, proved to me through satisfactory evidence of identification, which consisted of MA Drivers Lic# 586027267, to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

  
\_\_\_\_\_  
Notary Public

My Commission Expires: October 27, 2011

[Notary's Seal Here]

# ASSIGNMENT

For valuable consideration, we,

Full Name of Assignor	City	State (and Country if not USA)
Farshad Guirakhoo	Melrose	Massachusetts
Jian Liu	<del>Sudbury</del> <i>SAN JOSE</i>	<del>Massachusetts</del> <i>CALIFORNIA</i>
John A. Catalan	Newton	Massachusetts
Thomas P. Monath	Harvard	Massachusetts
Konstantin V. Pugachev	Natick	Massachusetts

hereby assign to

Full Name of Assignee	State of Incorporation	Business Address
Acambis Inc.	Delaware	38 Sidney Street Cambridge, MA 02139-4169

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

Title of Application	Filing Date	Serial Number
Vaccines Against Japanese Encephalitis Virus and West Nile Virus	September 19, 2005	60/718,923
Vaccines Against Japanese Encephalitis Virus and West Nile Virus	October 19, 2005	PCT/US05/37369

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at \_\_\_\_\_,  
this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Farshad Guirakhoo L.S.

STATE OF \_\_\_\_\_:  
COUNTY OF \_\_\_\_\_: ss.

Before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me, the undersigned notary public, personally appeared Farshad Guirakhoo proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

\_\_\_\_\_  
Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at \_\_\_\_\_,  
this \_\_\_\_ day of December, 2005

20/06  
\_\_\_\_\_  
Jian Liu L.S.

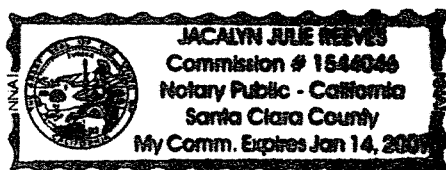
STATE OF California:  
COUNTY OF Santa Clara: ss.

Before me this 30 day of December, 2005, before me, the undersigned notary public, personally appeared Jian Liu, proved to me through satisfactory evidence of identification, which consisted of Massachusetts Drivers License, to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Jacalyn Julie Reeves  
Notary Public

*See attached acknowledgment*  
My Commission Expires: 1/14/09

[Notary's Seal Here]





IN WITNESS WHEREOF, I hereto set my hand and seal at \_\_\_\_\_,  
this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
John A. Catalan L.S.

STATE OF \_\_\_\_\_:

:ss.

COUNTY OF \_\_\_\_\_:

Before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me, the undersigned notary public, personally appeared John A. Catalan, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

\_\_\_\_\_  
Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at \_\_\_\_\_,  
this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Thomas P. Monath L.S.

STATE OF \_\_\_\_\_:

:ss.

COUNTY OF \_\_\_\_\_:

Before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me, the undersigned notary public, personally appeared Thomas P. Monath, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

\_\_\_\_\_  
Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at \_\_\_\_\_,  
this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Konstantin V. Pugachev L.S.

STATE OF \_\_\_\_\_:  
COUNTY OF \_\_\_\_\_: ss.

Before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me, the undersigned notary public, personally appeared Konstantin V. Pugachev, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

\_\_\_\_\_  
Notary Public

My Commission Expires:

[Notary's Seal Here]

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of

Santa Clara

} ss.

On

12/30/05

Date

before me,

Jacalyn Julie Reeves, Notary

Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally

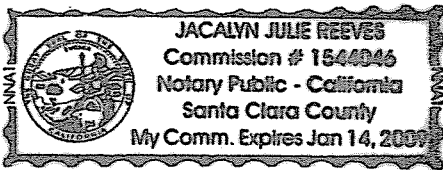
appeared

Jonathan Jian Liu

Name(s) of Signer(s)

☒ personally known to me

☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Place Notary Seal Above

Jacalyn Julie Reeves

Signature of Notary Public

**OPTIONAL**

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

**Description of Attached Document**

Title or Type of Document:

Assignment

Document Date:

12/30/05

Number of Pages:

4

Signer(s) Other Than Named Above:

N/A

**Capacity(ies) Claimed by Signer(s)**

Signer's Name:

Jonathan Jian Liu

☒ Individual

☐ Corporate Officer — Title(s):

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here

Signer's Name: \_\_\_\_\_

☐ Individual

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here

**PATENT**

**RECORDED: 01/07/2008**

**REEL: 020326 FRAME: 0220**