

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Akin Akinc	07/14/2010
Joseph Robert Dorkin	06/30/2010
Xiaojun Qin	06/29/2010
William Cantley	06/25/2010
Muthiah Manoharan	06/29/2010
Muthusamy Jayaraman	06/30/2010
Kallanthottathil G. Rajeev	06/29/2010
Jianxin Chen	07/06/2010
Steven Ansell	07/02/2010
Jayaprakash K. Narayanannair	06/24/2010

**RECEIVING PARTY DATA**

Name:	Alnylam Pharmaceuticals, Inc.
Street Address:	300 Third Street
City:	Cambridge
State/Country:	MASSACHUSETTS
Postal Code:	02142

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12813448

**CORRESPONDENCE DATA**

Fax Number: (617)395-7070  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 6173957000  
 Email: pkpatents@lalaw.com  
 Correspondent Name: Peter Korakas  
 Address Line 1: Lando & Anastasi, LLP

CH \$40.00 12813448

**501276737**

**PATENT  
 REEL: 024913 FRAME: 0328**

Address Line 2: One Main Street  
Address Line 4: Cambridge, MASSACHUSETTS 02142

ATTORNEY DOCKET NUMBER:	A2038-718210
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NAME OF SUBMITTER:	Peter Korakas
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<p>Total Attachments: 6 source=A2038-718210_Executed_Assignment#page1.tif source=A2038-718210_Executed_Assignment#page2.tif source=A2038-718210_Executed_Assignment#page3.tif source=A2038-718210_Executed_Assignment#page4.tif source=A2038-718210_Executed_Assignment#page5.tif source=A2038-718210_Executed_Assignment#page6.tif</p>
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ASSIGNMENT

For valuable consideration, we, JIANXIN CHEN, STEVEN ANSELL, AKIN AKINC, JOSEPH ROBERT DORKIN, XIAOJUN QIN, WILLIAM CANTLEY, MUTHIAH MANOHARAN, KALLANTHOTTATHIL G. RAJEEV, JAYAPRAKASH K. NARAYANANNAIR, and MUTHUSAMY JAYARAMAN hereby assign to ALNYLAM PHARMACEUTICALS, INC., a corporation of Delaware, having a place of business at 300 Third Street, Cambridge, MA 02142, and its successors and assigns (collectively hereinafter called "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent by us, entitled IMPROVED LIPID FORMULATION, filed June 10, 2010, and assigned U.S. Serial Number 12/813448; this assignment, including said application, and any and all continuations, continuations-in-part, and divisional applications, and any and all United States and foreign patents (including reissues, reexaminations, extensions), 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 inventor's 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, the effectiveness of this assignment including as of the filing date of the above-identified application and any applications from which the above-identified application claims benefit of.

IN WITNESS WHEREOF, I hereto set my hand and seal at Vancouver, BC, this 6<sup>th</sup> day of July, 2010.

Jianxin Chen  
JIANXIN CHEN

Commonwealth of Massachusetts Vancouver, BC, Canada  
County of \_\_\_\_\_

On this 6 day of July, 2010, before me, the undersigned notary public, personally appeared JIANXIN CHEN, proved to me through satisfactory evidence of identity, which was BC Drivers License, to be the person whose name was signed above in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

[Signature] (official signature and seal of notary)  
**SHABBIR NANJI**  
Notary Public for the  
Province of British Columbia  
8516 Granville Street  
Vancouver, BC  
V6P 4Z7 Canada  
Tel: 604-263-1177  
PERMANENT COMMISSION

My commission expires \_\_\_\_\_

IN WITNESS WHEREOF, I hereto set my hand and seal at Vancouver, this 2 day of July, 2010

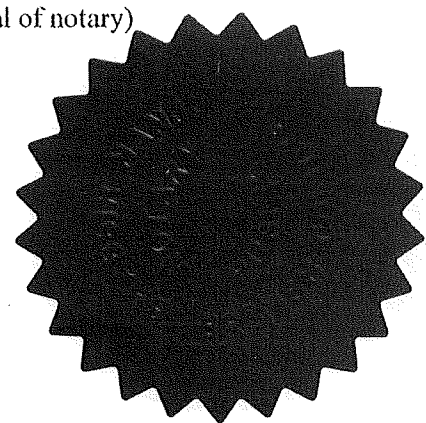
[Signature]  
STEVEN ANSELL

Commonwealth of Massachusetts Canada  
County of \_\_\_\_\_ BRITISH COLUMBIA

On this 2 day of July, 2010, before me, the undersigned notary public, personally appeared STEVEN ANSELL, proved to me through satisfactory evidence of identity, which was Can. Passport # JK399441, to be the person whose name was signed above in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

[Signature] (official signature and seal of notary)  
**SHABBIR NANJI**  
Notary Public for the  
Province of British Columbia  
8516 Granville Street  
Vancouver, BC  
V6P 4Z7 Canada  
Tel: 604-263-1177  
PERMANENT COMMISSION

My commission expires \_\_\_\_\_




IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge, MA, this 14 day of JULY, 2010

[Signature]  
AKIN AKINC

Commonwealth of Massachusetts  
County of Middlesex

On this 14 day of JULY, 2010, before me, the undersigned notary public, personally appeared AKIN AKINC, proved to me through satisfactory evidence of identity, which was Drivers License, to be the person whose name was signed above in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

[Signature] (official signature and seal of notary)

 **LAURA A. RYAN**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
October 14, 2016

My commission expires \_\_\_\_\_


IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge MA, this 30 day of JUNE, 2010

[Signature]  
JOSEPH ROBERT DORKIN

Commonwealth of Massachusetts  
County of Middlesex

On this 30 day of JUNE, 2010, before me, the undersigned notary public, personally appeared JOSEPH ROBERT DORKIN, proved to me through satisfactory evidence of identity, which was Drivers License, to be the person whose name was signed above in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

[Signature] (official signature and seal of notary)

 **LAURA A. RYAN**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
October 14, 2016

My commission expires \_\_\_\_\_


IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge, MA, this 29 day of June, 2010

Xiaojun Qin  
XIAOJUN QIN

Commonwealth of Massachusetts  
County of Middlesex

On this 29 day of JUNE, 2010, before me, the undersigned notary public, personally appeared XIAOJUN QIN, proved to me through satisfactory evidence of identity, which was Drivers License, to be the person whose name was signed above in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

Laura A Ryan (official signature and seal of notary)

My commission expires  **LAURA A. RYAN**  
**Notary Public**  
**Commonwealth of Massachusetts**  
**My Commission Expires**  
**October 14, 2016**

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge MA, this 25 day of JUNE, 2010

William Cantley  
WILLIAM CANTLEY

Commonwealth of Massachusetts  
County of Middlesex

On this 25 day of JUNE, 2010, before me, the undersigned notary public, personally appeared WILLIAM CANTLEY, proved to me through satisfactory evidence of identity, which was DRIVERS LICENSE, to be the person whose name was signed above in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

Laura A Ryan (official signature and seal of notary)

My commission expires  **LAURA A. RYAN**  
**Notary Public**  
**Commonwealth of Massachusetts**  
**My Commission Expires**  
**October 14, 2016**

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge, MA, this 29 day of JUNE, 2010

Muthiah Manoharan  
MUTHIAH MANOHARAN

Commonwealth of Massachusetts  
County of Middlesex

On this 29 day of JUNE, 2010, before me, the undersigned notary public, personally appeared MUTHIAH MANOHARAN, proved to me through satisfactory evidence of identity, which was Drivers License, to be the person whose name was signed above in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

Laura A Ryan (official signature and seal of notary)

My commission expires  **LAURA A. RYAN**  
**Notary Public**  
~~Commonwealth of Massachusetts~~  
My Commission Expires  
October 14, 2016


IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge MA, this 29 day of JUNE, 2010

Kallanthottathil G. Rajeev  
KALLANTHOTTATHIL G. RAJEEV

Commonwealth of Massachusetts  
County of Middlesex

On this 29 day of JUNE, 2010, before me, the undersigned notary public, personally appeared KALLANTHOTTATHIL G. RAJEEV, proved to me through satisfactory evidence of identity, which was Drivers License, to be the person whose name was signed above in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

Laura A Ryan (official signature and seal of notary)

My commission expires  **LAURA A. RYAN**  
**Notary Public**  
~~Commonwealth of Massachusetts~~  
My Commission Expires  
October 14, 2016

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge MA, this 24 day of JUNE, 2010

Jayaprakash Narayan  
JAYAPRAKASH K. NARAYANANNAIR

Commonwealth of Massachusetts  
County of Middlesex

On this 24 day of JUNE, 2010, before me, the undersigned notary public, personally appeared JAYAPRAKASH K. NARAYANANNAIR, proved to me through satisfactory evidence of identity, which was Drivers License, to be the person whose name was signed above in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

Laura A Ryan (official signature and seal of notary)

My commission expires  **LAURA A. RYAN**  
**Notary Public**  
Commonwealth of Massachusetts  
My Commission Expires  
October 14, 2016

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge, this 30 day of JUNE, 2010

M. Jayaraman  
MUTHUSAMY JAYARAMAN

Commonwealth of Massachusetts  
County of Middlesex

On this 30 day of JUNE, 2010, before me, the undersigned notary public, personally appeared MUTHUSAMY JAYARAMAN, proved to me through satisfactory evidence of identity, which was \_\_\_\_\_, to be the person whose name was signed above in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

Laura A Ryan (official signature and seal of notary)

My commission expires  **LAURA A. RYAN**  
**Notary Public**  
Commonwealth of Massachusetts  
My Commission Expires  
October 14, 2016

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