

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Muthiah Manoharan</td><td>05/26/2005</td></tr><tr><td>Michael E. Jung</td><td>05/26/2005</td></tr><tr><td>Kallanthottathil G. Rajeev</td><td>05/26/2005</td></tr><tr><td>Rajendra K. Pandey</td><td>05/26/2005</td></tr><tr><td>Gang Wang</td><td>05/26/2005</td></tr></tbody></table>	Name	Execution Date	Muthiah Manoharan	05/26/2005	Michael E. Jung	05/26/2005	Kallanthottathil G. Rajeev	05/26/2005	Rajendra K. Pandey	05/26/2005	Gang Wang	05/26/2005	
Name	Execution Date												
Muthiah Manoharan	05/26/2005												
Michael E. Jung	05/26/2005												
Kallanthottathil G. Rajeev	05/26/2005												
Rajendra K. Pandey	05/26/2005												
Gang Wang	05/26/2005												
RECEIVING PARTY DATA													
Name:	Alnylam Pharmaceuticals												
Street Address:	300 Third Street												
City:	Cambridge												
State/Country:	MASSACHUSETTS												
Postal Code:	02142												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12050633</td></tr></tbody></table>	Property Type	Number	Application Number:	12050633									
Property Type	Number												
Application Number:	12050633												
CORRESPONDENCE DATA													
Fax Number: (202)585-8080 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 2025858000													
Email: pjones@nixonpeabody.com													
Correspondent Name: Nixon Peabody LLP													
Address Line 1: 401 9th Street, N.W.													
Address Line 2: Suite 900													
Address Line 4: Washington, DISTRICT OF COLUMBIA 20004													
ATTORNEY DOCKET NUMBER:	051058-2100												
NAME OF SUBMITTER:	Jeffrey N. Townes												

CH \$40.00 12050633

500748833

PATENT  
REEL: 022075 FRAME: 0768

**Total Attachments: 3**

source=051058-2100\_Executed\_Assignment#page1.tif

source=051058-2100\_Executed\_Assignment#page2.tif

source=051058-2100\_Executed\_Assignment#page3.tif

**PATENT**

**REEL: 022075 FRAME: 0769**

## ASSIGNMENT

We, Muthiah Manoharan, Michael E. Jung, Kallanthottathil G. Rajeev, Rajendra K. Pandey, and Gang Wang, for valuable consideration received from Alnylam Pharmaceuticals, a corporation of the state of Massachusetts, having its principal place of business at 300 Third Street, Cambridge, MA 02142, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

### ALNYLAM PHARMACEUTICALS

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

#### *"PROCESSES AND REAGENTS FOR OLIGONUCLEOTIDE SYNTHESIS AND PURIFICATION"*

described in application Serial No. 11/099,430 filed on April 5, 2005 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this 26<sup>th</sup> day of May, 2005.

By: Muthiah Manoharan  
Muthiah Manoharan

Then personally appeared the above-named Muthiah Manoharan and acknowledged the foregoing instrument to be his free act and deed, before me, this 26<sup>th</sup> day of May, 2005.

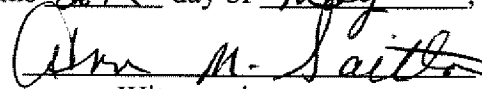
Ann M. Saitta  
Witness signature

Ann M. Saitta  
Witness Name (please print)

WITNESS my hand this 26 day of May, 2005.

By:   
Michael E. Jung

Then personally appeared the above-named Michael E. Jung and acknowledged the foregoing instrument to be his free act and deed, before me, this 26th day of May, 2005.


  
Witness signature

Ann M. Saitta  
Witness Name (please print)

WITNESS my hand this 26 day of May, 2005.

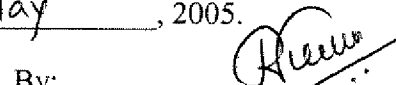
By:   
Kallanthottathil G. Rajeev

Then personally appeared the above-named Kallanthottathil G. Rajeev and acknowledged the foregoing instrument to be his free act and deed, before me, this 26th day of May, 2005.


  
Witness signature

Ann M. Saitta  
Witness Name (please print)

WITNESS my hand this 26 day of May, 2005.

By:   
Rajendra K. Pandey

Then personally appeared the above-named Rajendra K. Pandey and acknowledged the foregoing instrument to be his free act and deed, before me, this 26 day of May, 2005.

  
Witness signature

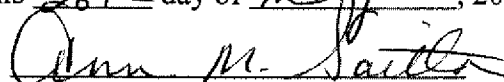
Ann M. Saitta  
Witness Name (please print)

WITNESS my hand this 26 day of May, 2005.

By: 

Gang Wang

Then personally appeared the above-named Gang Wang and acknowledged the foregoing instrument to be his free act and deed, before me, this 26th day of May, 2005.



Witness signature

Ann M. Seitz

Witness Name (please print)