



05-26-2009



103561433

Form PTO-1595 (Rev. 9-04) OMB No. 0651-0027 (8/21/00/05)

REC

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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

1. Name of conveying party(ies)/Execution Date(s):
 Steven C. Quay Execution Date(s): December 11, 2006.
 James Anthony McSwiggen Execution Date(s): December 8, 2006.
 Narendra K. Vaish Execution Date(s): September 13, 2007
 Mohammad Ahmadian Execution Date(s): April 24, 2007
 Additional names of conveying parties attached? Yes No

2. Name and address of receiving party(ies):
 Name: Nastech Pharmaceutical Company Inc.
 Internal Address: _____
 Street Address: 3830 Monte Villa Parkway
 City: Bothell State: Washington
 Country: United States Zip: 98021-7266
 Additional names, addresses, or citizenship attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): _____ This document is being filed together with a new application.
 A. Patent Application No.(s) 12/445,868 B. Patent No.(s) _____
 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: John E. Nemazi
 Internal Address: Brooks Kushman P.C.
 Street Address: 1000 Town Center
Twenty-Second Floor
 City: Southfield
 State: MI Zip: 48075-1238
 Phone Number: (248) 358-4400
 Fax Number: (248) 358-3351
 Email Address: _____

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____
 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 502660
 Authorized User Name John E. Nemazi

9. Signature: John E. Nemazi
 Signature
John E. Nemazi
 Name of Person Signing

05/22/2009 DEYDNE 00000026 502660 12445868
 May 15, 2009
 01 FC:0021 Date: 05.08.09
 Total number of pages including cover sheet, attachments, and document: 15

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

Attorney Docket No. 06-34P1

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION,

We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

Nastech Pharmaceutical Company Inc.
3830 Monte Villa Parkway
Bothell, WA 98021-7266

a corporation organized under the laws of the state of as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

COMPOSITIONS AND METHODS EMPLOYING GAPPED OR NICKED siRNA MOLECULES

described in an application for Letters Patent of the United States, identified as Attorney Docket No. 06-34P1, at Nastech Pharmaceutical Company Inc., 3830 Monte Villa Parkway, Bothell, Washington 98021-7266 and filed on 10/18/2006, as U.S. Patent Application Serial No. 60/862,027, and the invention(s) and improvement(s) set forth therein, and any and all applications claiming priority therefore, and any and all patent applications under 35 U.S.C. §111(a), continuations, continuations-in-part, divisionals, PCT International Applications, Foreign Applications, National Phase Applications, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit

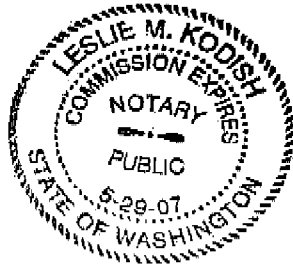
James Anthony McSwiggen
Inventor's Signature

12/8/06
DATE

James Anthony McSwiggen
Inventor's Printed Name

STATE OF WASHINGTON)
COUNTY OF SNOHOMISH) SS

On this 8 day of December, 2006, before me personally came the above named James Anthony McSwiggen who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.



Leslie M. Kodish
NOTARY PUBLIC, Leslie M. Kodish
My Commission Expires: 5/29/07

Attorney Docket No. 07-04P2, Project 198

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION,

We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

Nastech Pharmaceutical Company Inc.
3830 Monte Villa Parkway
Bothell, WA 98021-7266

a corporation organized under the laws of the state of Delaware as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

COMPOSITIONS AND METHODS OF USING GAPPED OR NICKED DOUBLE STRANDED
NUCLEIC ACID MOLECULES

described in an application for Letters Patent of the United States, identified as Attorney Docket No. 07-04P2, at Nastech Pharmaceutical Company Inc., 3830 Monte Villa Parkway, Bothell, Washington 98021-7266 and filed on 4/5/2007, as U.S. Patent Application Serial No. 60/910,393, and the invention(s) and improvement(s) set forth therein, and any and all applications claiming priority therefore, and any and all patent applications under 35 U.S.C. §111(a), continuations, continuations-in-part, divisionals, PCT International Applications, Foreign Applications, National Phase Applications, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

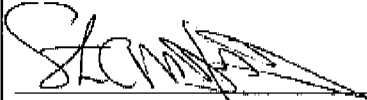
We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit

of the right of priority provided by the International convention which may henceforth be substituted for it.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.



Inventor's Signature

April 19, 2007

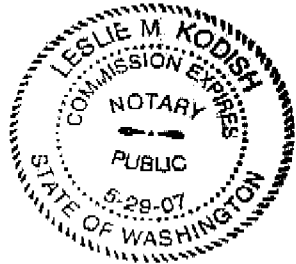
DATE

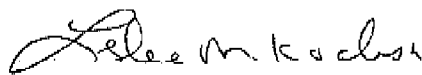
Steven C. Quay

Inventor's Printed Name

STATE OF WASHINGTON)
) SS
COUNTY OF SNOHOMISH)

On this 19 day of April, 2007, before me personally came the above named Steven C. Quay who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.




NOTARY PUBLIC, Leslie M. Kodish
My Commission Expires: 5/29/07

1

Inventor's Signature _____

DATE _____

James McSwiggen

Inventor's Printed Name

STATE OF WASHINGTON)
) SS
COUNTY OF SNOHOMISH)

On this _____ day of April, 2007, before me personally came the above named James McSwiggen who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC, Janice L. Goebel
My Commission Expires: 2/9/11

Mohammad Ahmadian

Inventor's Signature

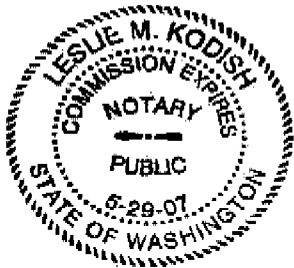
April 24, 2007
DATE

Mohammad Ahmadian

Inventor's Printed Name

STATE OF WASHINGTON)
) SS
COUNTY OF SNOHOMISH)

On this 24 day of April, 2007, before me personally came the above named Mohammad Ahmadian who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



Leslie M. Kodish
NOTARY PUBLIC, Leslie M. Kodish
My Commission Expires: 5/29/07

Attorney Docket No. 07-04P3, Project 198

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, the undersigned, hereinafter referred to as the ASSIGNORS, are the joint inventors of certain inventions or improvements for which we have made Application for Letters Patent to the United States, identified as the following application(s):

Attorney Docket No.	US Patent Application No.	Date Filed	Title
07-04P3	60/955,317	8/10/2007	COMPOSITIONS AND METHODS OF USING DOUBLE-STRANDED NUCLEIC ACID MOLECULES CONTAINING ONE OR MORE GAP OR NICK

WHEREAS, Natestch Pharmaceutical Company Inc., hereinafter referred to as the ASSIGNEE, a corporation organized under the laws of Delaware having a place of business at 3830 Monte Villa Parkway, Bothell, Washington 98021, US, is desirous of acquiring the entire right, title and interest in and to the inventions or improvements and in and to the Application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries;

NOW, THEREFORE, in exchange for good and sufficient consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, the ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in and to said inventions or improvements and said Application and any and all conversions, continuations, divisions, continuations-in-part, or renewals of and substitutes for said Application, and in, to and under any and all Letters Patent which has been or may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, including the full right to sue for and collect damages for past violations of provisional rights having arisen from any publication of said Application, Letters Patent, or any conversions, continuations, divisions, continuations-in-part, or renewals of and substitutes for said Application, and the right to file in ASSIGNORS' names said Application or any conversions, continuations, divisions, continuations-in-part, or renewals of and substitutes for said Application, and all rights under the International Convention for the Protection of Industrial Property, including the right to file PCT, National Stage, international and foreign applications directly in the name of ASSIGNEE, the same to be held and enjoyed by ASSIGNEE, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS, had this assignment, sale and transfer not been made.

AND, for the same consideration, said ASSIGNORS hereby covenant and agree to and with ASSIGNEE, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, ASSIGNORS are the sole and lawful owners of the entire right, title and interest in and to said inventions or improvements and said Application, Letters Patent, and any and all conversions, continuations, divisions, continuations-in-part, or renewals of and substitutes for said Application, and that the same are unencumbered and that ASSIGNORS have not executed and will not execute any

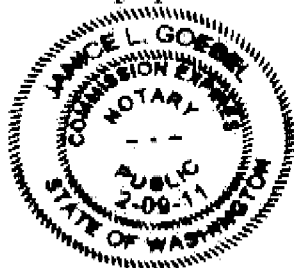
[Signature]
Inventor's Signature

9/13/07
DATE

James McSwiggen
Inventor's Printed Name

STATE OF WASHINGTON)
) SS
COUNTY OF SNOHOMISH)

On this 13 day of September, 2007, before me personally came the above named James McSwiggen to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.



[Signature]
NOTARY PUBLIC, Janice L. Goebel
My Commission Expires: 2/9/2011

Mohammad Ahmadian 9/13/07
Inventor's Signature DATE

Mohammad Ahmadian
Inventor's Printed Name

STATE OF WASHINGTON)
) SS
COUNTY OF SNOHOMISH)

On this 13 day of September, 2007, before me personally came the above named Mohammad Ahmadian to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.



[Signature]
NOTARY PUBLIC, Janice L. Goebel
My Commission Expires: 02/9/2011

Attorney Docket No. 07-04P4, Project 198

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, the undersigned, hereinafter referred to as the ASSIGNORS, are the joint inventors of certain inventions or improvements for which we have made Application for Letters Patent to the United States, identified as the following application(s):

Attorney Docket No.	US Patent Application No.	Date Filed	Title
07-04P4	60/969,136	8/30/2007	COMPOSITIONS AND METHODS OF USING DOUBLE-STRANDED NUCLEIC ACID MOLECULES CONTAINING ONE OR MORE GAP OR NICK

WHEREAS, Natestch Pharmaceutical Company Inc., hereinafter referred to as the ASSIGNEE, a corporation organized under the laws of Delaware having a place of business at 3830 Monte Villa Parkway, Bothell, Washington 98021, US, is desirous of acquiring the entire right, title and interest in and to the inventions or improvements and in and to the Application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries;

NOW, THEREFORE, in exchange for good and sufficient consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, the ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in and to said inventions or improvements and said Application and any and all conversions, continuations, divisions, continuations-in-part, or renewals of and substitutes for said Application, and in, to and under any and all Letters Patent which has been or may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, including the full right to sue for and collect damages for past violations of provisional rights having arisen from any publication of said Application, Letters Patent, or any conversions, continuations, divisions, continuations-in-part, or renewals of and substitutes for said Application, and the right to file in ASSIGNORS' names said Application or any conversions, continuations, divisions, continuations-in-part, or renewals of and substitutes for said Application, and all rights under the International Convention for the Protection of Industrial Property, including the right to file PCT, National Stage, international and foreign applications directly in the name of ASSIGNEE, the same to be held and enjoyed by ASSIGNEE, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS, had this assignment, sale and transfer not been made.

AND, for the same consideration, said ASSIGNORS hereby covenant and agree to and with ASSIGNEE, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, ASSIGNORS are the sole and lawful owners of the entire right, title and interest in and to said inventions or improvements and said Application, Letters Patent, and any and all conversions, continuations, divisions, continuations-in-part, or renewals of and substitutes for said Application, and that the same are unencumbered and that ASSIGNORS have not executed and will not execute any

agreement in conflict herewith, and ASSIGNORS have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND, for the same consideration, ASSIGNORS hereby covenant and agree to and with ASSIGNEE, its successors, legal representatives and assigns, that, ASSIGNORS will, whenever counsel of ASSIGNEE or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions or improvements and said Application, Letters Patent, and any and all conversions, continuations, divisions, continuations-in-part, or renewals of and substitutes for said Application, in any country, including reissue, extension, and interference and opposition proceedings, is lawful and desirable, without undue delay, sign, execute and deliver all papers and documents, take all lawful oaths, testify in any proceedings, communicate all known facts, and do all acts necessary or required to be done to assist in procurement, maintenance, enforcement, and defense of said Letters Patent or Patents for said inventions, in any and all countries, without any charge to ASSIGNEE, its successors, legal representatives and assigns, but at the cost and expense of ASSIGNEE, its successors, legal representatives and assigns;

AND, ASSIGNORS hereby authorize and request the Commissioner of Patents of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents, to issue to said ASSIGNEE, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent which may be issued and granted on or as a result of said Application, in accordance with the terms of this assignment.

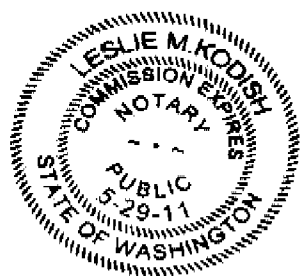
IN WITNESS WHEREOF, said assignors have executed this Assignment on the dates indicated below.

Steven C. Quay
Inventor's Signature

September 11, 2007
DATE

Steven C. Quay
Inventor's Printed Name

STATE OF WASHINGTON)
) SS
COUNTY OF SNOHOMISH)



On this 11 day of September, 2007, before me personally came the above named Steven C. Quay to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Leslie M. Kodish
NOTARY PUBLIC, Leslie M. Kodish
My Commission Expires: 5/29/2011

Mohammad Ahmadian

9/13/07

Inventor's Signature

DATE

Mohammad Ahmadian

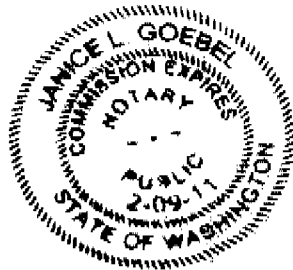
Inventor's Printed Name

STATE OF WASHINGTON)

) SS

COUNTY OF SNOHOMISH)

On this 13 day of September, 2007, before me personally came the above named Mohammad Ahmadian to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.



Janice L. Goebel

NOTARY PUBLIC, Janice L. Goebel
My Commission Expires: 02/09/2011