

03-29-2006


 FORM PTO-1595  
 (Rev. 6-93)

 103206391  
 RECORDATION SHEET

 U.S. DEPARTMENT OF COMMERCE  
 Patent and Trademark Office

PATENTS ONLY

Attorney Docket No.: 056258-5107

To the Commissioner for Patents

ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

 Paul McCORMAC  
 Andrew Guy LIVINGSTON  
 Andrew Timothy BOAM  
 Dinesh NAIR  
 Stephan HARGREAVES

Additional names of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Avecia Limited

Internal Address:

 Street Address: Hexagon House, Blackley, Manchester,  
 M9 8ZS, United Kingdom

City:

State:

Zip:

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

 Execution Date: September 6, 2005, September 5, 2005,  
August 1, 2005, and June 2, 2005

Additional name(s) &amp; address(es) attached?

☐ Yes ☒ No

4. New Application number(s) or patent number(s): 10/539,202

5.

If this document is being filed together with a new application the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

10/539202

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

Name: Paul N. Kokulis

 Internal Address: Morgan, Lewis & Bockius LLP  
 Customer No. 09629

 Street Address: 1111 Pennsylvania Ave., N.W.  
 City: Washington State: D.C. Zip: 20004

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41): \$40.00

☐ Enclosed☒ Authorized to be charged to Deposit Account 50-0310
 8. Deposit Account No. 50-0310  
 (Attach duplicate page if paying by deposit account)

9. Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Paul N. Kokulis, Reg. No. 16,773

Name of Person Signing

Signature

January 26, 2006

Date

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

01/27/2006 GPREY1 00000116 500310 10539202

02 FC:8021 40.00 DA

1-WA/2515414.1

 PATENT  
 REEL: 017727 FRAME: 0145

Please return signed/recorded to:  
MORGAN LEWIS & BOCKIUS LLP  
1111 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004

Attorney Docket: \_\_\_\_\_

## ASSIGNMENT

WHEREAS, the undersigned, to wit:

MCCORMAC, Paul

(hereinafter ASSIGNOR), has made an invention entitled:

Process for Purifying Oligonucleotide Synthons

for which an application for Letters Patent of the United States

\_\_\_\_\_ was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;

X was filed as International Application No. PCT/GB2003/005474 on 16/12/2003

AND WHEREAS Avecia Limited (hereinafter ASSIGNEE), duly organized and existing under the laws of England and Wales and having its principal office and place of business at Hexagon House, Blackley, Manchester, M9 8ZS, United Kingdom desires to acquire an interest therein;


NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

The undersigned hereby authorizes Morgan Lewis & Bockius LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date below indicated:

  
Inventor: MCCORMAC, Paul

 Date:

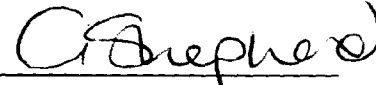
6-22-2009

Witnesses:

1.



2.



Please return signed/recorded to:  
 MORGAN LEWIS & BOCKIUS LLP  
 1111 Pennsylvania Avenue, N.W.  
 Washington, D.C. 20004

Attorney Docket: \_\_\_\_\_

### ASSIGNMENT

WHEREAS, the undersigned, to wit:

LIVINGSTON, Andrew Guy

(hereinafter ASSIGNOR), has made an invention entitled:

Process for Purifying Oligonucleotide Synthons

for which an application for Letters Patent of the United States

\_\_\_\_\_ was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;

X was filed as International Application No. PCT/GB2003/005474 on 16/12/2003

AND WHEREAS Avecia Limited (hereinafter ASSIGNEE), duly organized and existing under the laws of England and Wales and having its principal office and place of business at Hexagon House, Blackley, Manchester, M9 8ZS, United Kingdom desires to acquire an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

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ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.


The undersigned hereby authorizes Morgan Lewis & Bockius LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date below indicated:

  
Inventor: LIVINGSTON, Andrew Guy

Date: 5/9/2005

Witnesses:

1.   
\_\_\_\_\_

2.   
\_\_\_\_\_

Please return signed/recorded to:  
 MORGAN LEWIS & BOCKIUS LLP  
 1111 Pennsylvania Avenue, N.W.  
 Washington, D.C. 20004

Attorney Docket: \_\_\_\_\_

### ASSIGNMENT

WHEREAS, the undersigned, to wit:

BOAM, Andrew Timothy

(hereinafter ASSIGNOR), has made an invention entitled:

Process for Purifying Oligonucleotide Synthons

for which an application for Letters Patent of the United States

\_\_\_\_\_ was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;

X was filed as International Application No. PCT/GB2003/005474 on 16/12/2003

AND WHEREAS Avecia Limited (hereinafter ASSIGNEE), duly organized and existing under the laws of England and Wales and having its principal office and place of business at Hexagon House, Blackley, Manchester, M9 8ZS, United Kingdom desires to acquire an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

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ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

The undersigned hereby authorizes Morgan Lewis & Bockius LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.


Executed on the date below indicated:

  
Inventor: BOAM, Andrew Timothy

Date: 1 August 2005

Witnesses:

1. 

2. 

Please return signed/recorded to:  
MORGAN LEWIS & BOCKIUS LLP  
1111 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004

Attorney Docket: \_\_\_\_\_

### ASSIGNMENT

WHEREAS, the undersigned, to wit:

NAIR, Dinesh

(hereinafter ASSIGNOR), has made an invention entitled:

Process for Purifying Oligonucleotide Synthons

for which an application for Letters Patent of the United States

\_\_\_\_\_ was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;

X was filed as International Application No. PCT/GB2003/005474 on 16/12/2003

AND WHEREAS Avecia Limited (hereinafter ASSIGNEE), duly organized and existing under the laws of England and Wales and having its principal office and place of business at Hexagon House, Blackley, Manchester, M9 8ZS, United Kingdom desires to acquire an interest therein;

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ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

The undersigned hereby authorizes Morgan Lewis & Bockius LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.



Executed on the date below indicated:



Inventor: NAIR, Dinesh

Date: 01/08/2005

Witnesses:

1. 

2. 

Please return signed/recorded to:  
MORGAN LEWIS & BOCKIUS LLP  
1111 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004

Attorney Docket: \_\_\_\_\_

### ASSIGNMENT

WHEREAS, the undersigned, to wit:

HARGREAVES, Stephen

(hereinafter ASSIGNOR), has made an invention entitled:

Process for Purifying Oligonucleotide Synthons

for which an application for Letters Patent of the United States

\_\_\_\_\_ was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;

X was filed as International Application No. PCT/GB2003/005474 on 16/12/2003

AND WHEREAS Avecia Limited (hereinafter ASSIGNEE), duly organized and existing under the laws of England and Wales and having its principal office and place of business at Hexagon House, Blackley, Manchester, M9 8ZS, United Kingdom desires to acquire an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

The undersigned hereby authorizes Morgan Lewis & Bockius LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date below indicated:

S Hargreaves  
Inventor: HARGREAVES, Stephen

Date: 2 June 05

Witnesses:

1. Charlotte Fraser

2. William J. Harding