

01-14-1999

To The Honorable Commissioner of Patents  
thereof.

100942095

e attached original documents or copy

1. Name of conveying party(ies):

Eric Marsault

Additional name(s) of conveying party(ies)

attached? ( ) YES (X) NO

3. Nature of Conveyance:

(X) Assignment ( ) Merger

( ) Security Agreement

( ) Change of Name

( ) Other:

Execution Date(s): October 13, 1998

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

Name: McGill University

Street Address: 3550 University Avenue

City: Montreal, Quebec H3A 2A7

State Canada ZIP

Additional name(s) &amp; address attached? ( ) YES (X) NO

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s)

C9/109,215 filed 6/30/98

B. Patent No.(s)

Additional numbers attached? ( ) YES (X) NO

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

Name: Michael P. Straher, Esq.

Internal Address: WOODCOCK WASHBURN KURTZ

MACKIEWICZ &amp; NORRIS LLP

One Liberty Place - 46th Floor

Philadelphia, Pennsylvania 19103-7301

Street Address: WOODCOCK WASHBURN KURTZ

MACKIEWICZ &amp; NORRIS LLP

One Liberty Place - 46th Floor

1650 Market Street

Philadelphia, Pennsylvania 19103-7301

6. Total number of applications and patents involved:  
One (1)

7. Total fee (37 CFR 3.41):..... \$40.00

(X) Enclosed

( ) Authorized to be charged to Deposit Account

Number 23-3050

8. Please charge any deficiency or credit any  
overpayment to Deposit Account Number 23-3050

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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.*

Michael P. Straher/38,325

Name of Person Signing/Reg. No.

Signature

January 7, 1999

Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:

01/14/1999 DNGUYEN 00000019 09109215

Commissioner of Patents and Trademarks

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Box Assignments

Washington, D.C. 20231

**PATENT  
Co-inventors**

**DOCKET NO.: ISIS-3134**

**(Pending Application;  
Serial No. Known)**

**ASSIGNMENT**

WHEREAS, we, George Just, Zhili Xin, Eric Marsault, Yi Jin, and Jianchao Wang, hereinafter referred to as the assignors, residing respectively at 134 Chemin de l'Île, Île Cadieux, Quebec J7V 8P3 Canada, 5209 Fredric Court, Gurnee, Illinois 60011, 1345 rue Prospect, Apt. #1, Sherbrooke, Quebec J1J 1J4 Canada, 88 Killarney Avenue, Apt. 17, Winnipeg, Man. R3T 2B2 Canada, 3512 Durocher Street, Apt. 304, Montreal, Quebec, H2X 2E6 Canada are co-inventors with Muthiah Manoharan of 7634 Reposado Drive, Carlsbad, California 92009 of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Serial No. 09/109,215, filed June 30, 1998, entitled **PREPARATION OF PHOSPHOROTHIOATE AND BORANOPHOSPHATE OLIGOMERS**; and

WHEREAS, McGill University hereinafter referred to as the assignee, of 3550 University Avenue, Montreal, Quebec H3A 2A7, Canada, a corporation of Canada, is desirous of acquiring our entire right, title and interest in and to the said inventions or improvements and in and to the said 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, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, our entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which 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, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey our interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to

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communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

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

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

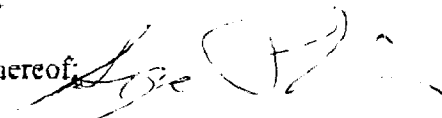
\_\_\_\_\_(L.S.)  
George Just

In witness whereof: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
Zhili Xin

In witness whereof: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_(L.S.)  
Eric Marsault

In witness whereof:  Date: Oct. 13<sup>th</sup> 1998

**PATENT**  
**Co-inventors**

\_\_\_\_\_(L.S.)

Jin

witness whereof: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_(L.S.)

nchao Wang

witness whereof: \_\_\_\_\_ Date: \_\_\_\_\_