

Atty Dkt. No. 2750-0001

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Form PTO-1595
(Rev. 10/02)
OMB No. 0651-0027 (exp. 6/30/2005)

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Douglas J Dellinger

Additional names(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: November 25, 2003

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

Name: Lievre Comu LLC
 Internal Address: _____

Street Address: 440 Erie Drive

City: Boulder State: CO Zip: 80303

Additional name(s) & address(es) attached? Yes 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):
09/691,824, filed October 17, 2000

B. Patent No.(s): _____

Additional numbers attached? Yes No

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

Name: Shelley P. Eberle, Reg. No. 31,411
 Internal Address: _____

Street Address: REED & EBERLE LLP
800 Menlo Avenue, Suite 210
 City: Menlo Park State: CA Zip: 94025

6. Total number of applications and patents involved: 1

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

Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
18-0580

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Shelley P. Eberle, Reg. No. 31,411 Shelley P. Eberle November 26, 2003
 Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: 3
Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment, Commissioner of Patents, P.O. Box 1450
Alexandria, VA 22313-1450

CH \$40.00 180580 09691824

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ASSIGNMENT

THIS ASSIGNMENT, by Douglas J. Dellinger (hereinafter referred to as the assignor), residing at 440 Erie Drive, Boulder, Colorado 80303, witnesseth:

WHEREAS, the said assignor has invented certain new and useful improvements in PHOSPHINOAMIDITE CARBOXYLATES AND ANALOGS THEREOF IN THE SYNTHESIS OF OLIGONUCLEOTIDES HAVING REDUCED INTERNUCLEOTIDE CHARGE set forth in an application for Letters Patent of the United States, bearing Serial No. 09/691,824, filed on October 17, 2000.; and

WHEREAS, Lievre Cornu LLC, a corporation duly organized under and pursuant to the laws of Colorado, and having its principal place of business at 440 Erie Drive, Boulder, Colorado 80303 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behoof and the use and behoof 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, as fully and entirely as the same would have been held and enjoyed by the assignor, had this sale and assignment not been made.

AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignor is the sole and lawful owner of the entire right, title and

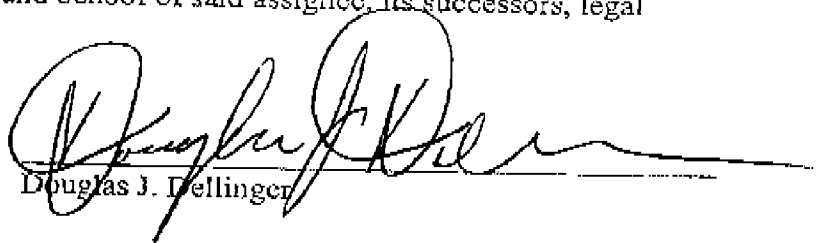
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interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that said assignor will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignor hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said invention and the Letters Patent to be issued thereon for the sole use and behoof of said assignee, its successors, legal representatives and assigns.

Date: November 25, 2003


Douglas J. Dellinger

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