

9/13/99

09-20-1999



To The Honorable Commissioner of Patents  
thereof.

101148301

Attached original documents or copy

1. Name of conveying party(ies):  
**Steven M. Cramer**  
  
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: 8/30/99

2. Name and address of receiving party(ies):  
Name: **RENSELAER POLYTECHNIC INSTITUTE**  
Internal Address: **110 8<sup>th</sup> Street**  
**Troy, New York**  
  
Street Address: SAME AS ABOVE  
  
City  
  
State ZIP  
Additional name(s) & 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) **09/343,006** | 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: **RENA PATEL**  
Internal Address: **WOODCOCK WASHBURN KURTZ**  
**MACKIEWICZ & NORRIS LLP**  
**One Liberty Place - 46th Floor**  
**Philadelphia, Pennsylvania 19103-7301**  
  
Street Address: **WOODCOCK WASHBURN KURTZ**  
**MACKIEWICZ & NORRIS LLP**  
**One Liberty Place - 46th Floor**  
**1650 Market Street**  
**Philadelphia, Pennsylvania 19103-7301**

6. Total number of applications and patents involved: 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

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.*  
  
**Rena Patel/41,412**      Rena Patel      Sep. 10, 1999  
Name of Person Signing/Reg. No.      Signature      Date  
Total number of pages including cover sheet, attachments, and document: 6

Mail documents to be recorded with required cover sheet information to:  
09/16/1999 DNGUYEN 00000337 09343006  
FC:581      40.00 OP      Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

## A S S I G N M E N T

WHEREAS, We, **Steven M. Cramer of Schenectady, New York; Abhinav A. Shukla of Bothell Washington and James A. Moore of Troy, New York** ; hereinafter referred to as the assignors, are co-inventors with **Ranjit R. Desmukh of San Diego, California**, have invented a certain invention entitled **HIGH AFFINITY, LOW MOLECULAR WEIGHT DISPLACERS FOR OLIGONUCLEOTIDES PURIFICATION**, for which we have made application for Letters Patent of the United States, said application having been filed on **June 29, 1999** and assigned Application No. **09/343,006**; and

WHEREAS, **Rensselaer Polytechnic Institute** hereinafter referred to as the assignee, of **110 8<sup>th</sup> Street, Troy, New York**, 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

ASSIGNMENT - PAGE 1 OF 5

by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey our entire 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 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.

ASSIGNMENT - PAGE 2 OF 5

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

Dated: 8/30, 1999

*Steven M. Cramer*  
STEVEN M. CRAMER

State of ~~California~~ NM )  
 )  
County of ~~San Diego~~ ) ss.  
Rensselaer

On this 30<sup>th</sup> day of August, 1999, before me, the undersigned, a Notary Public for the state, personally appeared **STEVEN M. CRAMER** personally known to me/proved to me on the basis of satisfactory evidence to be the person who subscribed the foregoing Assignment and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the Assignment the person, or the entity on behalf of which the person acted, executed the Assignment.

WITNESS my hand and official seal.

*Dawn M. McElligott*  
Signature of Notary

DAWN M. MCELLIGOTT  
NOTARY PUBLIC, State of New York  
No. 01MC5077712  
Qualified in Rensselaer County  
Commission Expires May 12, 2001

Dated: \_\_\_\_\_, 1999  
\_\_\_\_\_ ABHINAV A. SHUKLA

State of California            )  
  )        ss.  
County of San Diego         )

On this \_\_\_\_\_ day of \_\_\_\_\_, 1999, before me, the undersigned, a Notary Public for the state, personally appeared **ABHINAV A. SHUKLA** personally known to me/proved to me on the basis of satisfactory evidence to be the person who subscribed the foregoing Assignment and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the Assignment the person, or the entity on behalf of which the person acted, executed the Assignment.

WITNESS my hand and official seal.

\_\_\_\_\_  
Signature of Notary

Dated: \_\_\_\_\_, 1999  
\_\_\_\_\_

JAMES A. MOORE

State of California            )  
  )        ss.  
County of San Diego         )

On this \_\_\_\_\_ day of \_\_\_\_\_, 1999, before me, the undersigned, a Notary Public for the state, personally appeared **JAMES A. MOORE** personally known to me/proved to me on the basis of satisfactory evidence to be the person who subscribed the foregoing Assignment and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the Assignment the person, or the entity on behalf of which the person acted, executed the Assignment.

WITNESS my hand and official seal.

\_\_\_\_\_  
Signature of Notary