

12-11-1998



100918561

FORM PTO-1595
(Rev 6-93)

U.S. Department of Commerce

OMB No. 0651-0011 (exp. 4/94)

PATENTS ONLY

Patent and Trademark Office

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

1. Name of conveying party(ies):

Vladimir L. Makarov and John P. Langmore

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: October 8, 1998

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

Name: The Regents of the University of Michigan

Internal Address:

Street Address: 3303 South State Street

City: Ann Arbor State: MI Zip: 48109-1280

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration 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):

09/151,236

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: David W. Hibler, Patent Agent
Arnold White & Durkee
P.O. Box 4433

City: Houston State: Texas Zip: 77210

6. Total number of applications and patents involved: 17. Total fee (37 C.F.R. 3.41)-----\$ 40.00☒ Enclosed☒ Authorized to be charged to deposit account
if check insufficient or inadvertently omitted8. Deposit account number: 01-2508/UMIC:039/HIB
(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.

David W. Hibler, Patent Agent

David W. Hibler

11 24 98

Name of Person Signing, Reg. No. 41,071

Signature

Date

Total number of pages including cover sheet, attachments and documents: 3

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

Commissioner of Patents and Trademarks, Office of Public Records,

Crystal Gateway 4, Room 335, Washington, D.C. 20231

12/11/1998 SEURMS 00000024 09151236

01 FC:581

40.00 00

CERTIFICATE OF MAILING
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Office of Public Records, Crystal Gateway 4, Room 335, Washington, DC 20231, on the date below:

24-Nov-98
Date*David W. Hibler*

David W. Hibler

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to THE REGENTS OF THE UNIVERSITY OF MICHIGAN (the "Assignee"), having a place of business at 3003 South State Street, Ann Arbor, Michigan 48109-1280, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. **09/151,236**, which has been filed on **September 10, 1998** and is entitled "**COMPOSITIONS AND METHODS FOR ANALYSIS OF NUCLEIC ACIDS**", such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: [Signature]
Name: Vladimir L. Makarov

Date: 10.8.98

STATE OF MICHIGAN)
COUNTY OF Wayne) ss.

BEFORE ME, the undersigned authority, on this 8th day of October, 1998, personally appeared Vladimir L. Makarov, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

CHRISTINE M. PSUJEK
Notary Public, Washtenaw County, MI
My Commission Expires Dec. 14, 2001

Christine M. Psujek
Notary or Consular Officer

[SEAL]

Signature: [Signature]
Name: John P. Langmore

Date: 10.8.98

STATE OF MICHIGAN)
COUNTY OF Washtenaw) ss.

BEFORE ME, the undersigned authority, on this 8th day of October, 1998, personally appeared John P. Langmore, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

CHRISTINE M. PSUJEK
Notary Public, Washtenaw County, MI
My Commission Expires Dec. 14, 2001

Christine M. Psujek
Notary or Consular Officer

[SEAL]

P. O. Box 4433
Houston, Texas 77210

ARNOLD, WHITE & DURKEE

2001 Jefferson Davis Hwy., Ste. 401
Arlington, Virginia 22202