



06-20-2001



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FORM PTO-1619A

U.S. Department of Commerce  
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PATENT

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6.14.01

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

- New
- Resubmission (Non-Recordation)  
Document ID# \_\_\_\_\_
- Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_
- Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

**Conveyance Type**

- Assignment
- License
- Merger
- Security Agreement
- Change of Name
- Other \_\_\_\_\_

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Name (line 1) Joseph R. Lakowicz  
Name (line 2) a citizen of the U.S.

Execution Date  
May 17, 2001

*Second Party*

Name (line 1) Ignacy Gryczynski  
Name (line 2) a citizen of Poland

Execution Date  
May 17, 2001

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1) University of Maryland, Baltimore  
Name (line 2) a constituent institution of the University System of Maryland  
Address (line 1) an agency of the State of Maryland having an address at  
Address (line 2) 520 West Lombard Street  
Address (line 3) Baltimore, MD 21201-1627

If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the U.S.,  
an appointment of domestic  
representative is attached.

**Domestic Representative Name and Address**

Enter for the First Receiving Party only.

Name: Stephen A. Saxe  
Address (line 1): Rothwell, Figg, Ernst & Manbeck  
Address (line 2): 555 13th St., N.W.  
Address (line 3): Suite 701-East  
Address (line 4): Washington, D.C. 20004

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**Correspondent Name and Address**

Area Code and Telephone Number: 202/783-6040

Name: Stephen A. Saxe  
Address (line 1): Rothwell, Figg, Ernst & Manbeck  
Address (line 2): 555 13th St., N.W.  
Address (line 3): Suite 701-East  
Address (line 4): Washington, D.C. 20004**Pages**Enter the total number of pages of the attached conveyance document  
including any attachments

# 2

**Application Number(s) or Patent Number(s)**

[ ] Mark if additional numbers attached

*Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property)*

Patent Application Number(s):

Patent Number(s):

09/786,627

If this document is being filed together with a new Patent Application, enter the date of the patent  
application was signed by the first named executing inventor.**Patent Cooperation Treaty (PCT)**Enter PCT application Number  
only if a U.S. Application Number  
has not been assigned

PCT

**Number of Properties**

Enter the total number of properties involved. # 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$40.00

Method of Payment:  Enclosed  Deposit Account  Credit Card  
Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: 02-2135

Authorization to charge additional fees: Yes  No **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. Charges to deposit account are authorized,  
as indicated herein.*Stephen A. Saxe

Name of Person Signing

Stephen A. Saxe  
SignatureJune 13, 2001  
Date

Registration No. 38,609

Docket No. 2542-101

ASSIGNMENT

UMB Tech ID Number: 1533JL  
Rothwell Figg Reference: 2542-101

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to **Joseph R. Lakowicz and Ignacy Gryczynski**, the undersigned hereby sell and assign to the **University of Maryland, Baltimore**, a constituent institution of the University System of Maryland, an agency of the State of Maryland, having an address at **520 West Lombard Street, Baltimore, MD 21201-1627** (assignee), their entire rights, titles and interests *check applicable space(s)*  for the United States of America (as defined in 35 U.S.C. §100)  and throughout the world,

in the invention known as **Low Frequency Modulation Sensors Using Nanosecond Fluorophores**, for which applications for patent were made in the United States of America on September 8, 1998 (also known as U. S. provisional application serial number 60/099,499); and on September 8, 1999 (also known as PCT application serial number PCT/US99/20370) and on March 7, 2001 (also known as U.S. non-provisional application serial number 09/786,627), and in any and all non-provisional and/or foreign applications thereon, in any and all Letters Patent therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent and divisionals and the continuing applications thereof to the full end of the term or terms for which such Letters Patent issue, such entire right, title and interest to be held and enjoyed by the above named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this Assignment and sale not been made.

The undersigned agree to execute all papers necessary in connection with the applications, non-provisionals and/or foreign applications, and any continuing, divisional, reissue, reexamination or corresponding applications thereof and also to execute separate Assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree to execute all papers necessary in connection with any interference that may be declared concerning the application or any non-provisional, continuing, divisional, reissue or reexamination applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represent that undersigned have full right to convey undersigned's entire interest herein assigned, and that undersigned have not executed and will not execute any agreement in conflict therewith.

IN WITNESS WHEREOF, executed by the undersigned on the date opposite their names:

Signature: [Signature] Date: 5/17/01  
Name: Joseph E. Lakowicz Residence: 10037 Fox Den Road  
City: Ellicott City State: Maryland Zip: 21042

State of Maryland  
City of/County of Baltimore

Subscribed and sworn to before me this 17th day of May, 2001.

Dorothy S. Doepke, Notary Public  
Legalization-notarization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 201

**DOROTHY S. DOEPKE**  
Notary Public  
City of Baltimore  
Maryland  
My Appointment Expires: 11/19/02

Signature: [Signature] Date: 5/17/01  
Name: Ignacy Gryczynski Residence: 14 Minte Drive  
City: Perry Hall State: Maryland Zip: 21236

State of Maryland  
City of/County of Baltimore

Subscribed and sworn to before me this 17th day of May, 2001.

Dorothy S. Doepke, Notary Public  
Legalization-notarization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 201

**DOROTHY S. DOEPKE**  
Notary Public  
City of Baltimore  
Maryland  
My Appointment Expires: 11/19/02

Lakowicz:1533JL:Patent:NP:PTO-1533JL-Assignment