

08-12-2003



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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):		
Roy S. Chuck Peter J. McDonnell Ramez Emile Necola Shehada  Additional name(s) of conveying party(ies) attached? □ Yes ☑ No  3. Nature of conveyance: ☑ Assignment □ Merger □ Security Agreement □ Change of Name □ Other	The Regents of the University of California 1111 Franklin Street, 12 <sup>th</sup> Floor Oakland, CA 94607-5200  A California corporation.  The University of Southern California University Park Los Angeles, CA 90089  A California Corporation.		
Execution Date: July 3, 2003			
4. Application number(s) or patent number(s): 10/407,848  If this document is being filed together with a new application, the filing date of the application is: [Inventor Declaration Execution Date]			
A. Patent Application No.(s):	B. Patent No.(s):		
A. Catelli Application No.(o).	2 2.3.7		
l Additional numbers attached? □ Yes ☒ No			
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1		
Robert D. Buyan Stout, Uxa, Buyan & Mullins, LLP 4 Venture, Suite 300 Irvine, CA 92618	7. Total Fee (37 CFR 3.41)\$40  Because (Check No. 3122)  Authorized to be charged to deposit account if fee is insufficient.		
	8. Deposit account number: 50-0878		
	2. 2 <b>2 2 2 2 2 2 2 3 2 3 3 3 3 3 3 3 3 3 3</b>		
	(Attach duplicate copy of this page if paying by deposit account.)		
DO NOT US	E THIS SPACE		
00000121 10407848 DO NOT US FC:8021 40.00 OF			
9. Statement and signature.	Attorney Docket No. UCIVN-036A		
To the best of my knowledge and belief, the foregoing is true and correct ai	nd any attached copy is a true copy of the original document.		
Robert D. Buyan  August 4, 2003			
Name of Person Signing Signature Date			
Total number o	of pages including cover sheet, attachments and document: [Total No. pages 6]		

## **ASSIGNMENT**

U.C. Case No. 2002-516-2			
For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),			
1. Roy S. Chuck 2. Peter J. Mc Donnell 3. Ramez Emile Necola Shehada			
hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, Twelfth Floor, Oakland, CA 94607-5200, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:			
TITLE System and Method for Quantitative or Qualitative Measurement of Exogenous Substances in Tissue and Other Materials Using Laser-Induced Fluorescence Spectroscopy			
and which is found in			
(a) U.S. provisional application filed herewith and listing the above named persons as inventors			
(b) U.S. patent application filed herewith and listing the above named persons as inventors			
(c) X U.S. application serial no. 10/407,848 , filed on April 3, 2003			
(d), issued,			
and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;			
ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;			
ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.			
AND the <u>ASSIGNOR(S)</u> requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.			
executed this Signature of Inventor(s)			
J day of Joe , 2003   Joe , 2003   Joe , 2003   Joe   , 2003   J			
18 day of June, 2003			

\_\_\_\_ day of \_\_\_\_\_\_, 2003

PATENT REEL: 014356 FRAME: 0651

CALIFORNIA ALL-PURPOSE ACKNO	WLEDGMENT
State of California	
County of Orange	
On June 18,2003 before me (Date)	(Name, Title of Officer)
personally appeared Peter J. McDo	
□ personally known to me	of Signer)
- OR -	batam, avidanas ta ha tha nargan vuhasa mama is
	actory evidence to be the person whose name is nd acknowledged to me that he/she executed the
same in his/her authorized capacity, a	and that by his/her signature on the instrument the
person, or the entity upon behalf of w	which the person acted, executed the instrument.
MARIA L. AGACITA	WHEN TEGO 1 1 1 M 1 1
Commission # 1358617	WITNESS my hand and official seal.
Commission # 1358617 Notary Public - California	WITNESS my hand and official seal.
To Price and To Late 1989	WITNESS my hand and official seal.
Notary Public - California S Orange County My Comm. Expires May 27, 2006	Man J. Agairte
Notary Public - California Orange County My Comm. Expires May 27, 2006  Though the data below is not required by law document and could prevent fraudulent reatt  CAPACITY CLAIMED BY SIGNER	v, it may prove valuable to persons relying on the achment of this form.  DESCRIPTION OF ATTACHED DOCUMEN
Notary Public - California Orange County My Comm. Expires May 27, 2006  Though the data below is not required by law document and could prevent fraudulent reatt	v, it may prove valuable to persons relying on the achment of this form.
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Notary Public - California Orange County My Comm. Expires May 27, 2006  Though the data below is not required by law document and could prevent fraudulent reatt  CAPACITY CLAIMED BY SIGNER  INDIVIDUAL  CORPORATE OFFICER	v, it may prove valuable to persons relying on the achment of this form.  DESCRIPTION OF ATTACHED DOCUMEN  Assignment  TITLE OR TYPE OF DOCUMENT  Assignment of Invention and Utility Patent
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PATENT
REEL: 014356 FRAME: 0652

CALIFORNIA ALL-PURPOSE ACKNO	WLEDGMENT
State of California	
County of Orange	
On June 18,2003 before me (Date)	e, Maria L. Agaita, Notary R. (Name, Title of Officer)
personally appeared Roy S. Chuck	
☐ personally known to me	e of Signer)
subscribed to the within instrument a same in his/her authorized capacity, a person, or the entity upon behalf of v	factory evidence to be the person whose name is and acknowledged to me that he/she executed the and that by his/her signature on the instrument the which the person acted, executed the instrument.
MARIA L. AGACITA Commission # 1358617 Notary Public - California Orange County	WITNESS my hand and official seal.
My Comm. Expires May 27, 2006	$\Lambda + U = \Lambda$
	w, it may prove valuable to persons relying on the eachment of this form.
-	DESCRIPTION OF ATTACHED DOCUMENT  Assignment  TITLE OR TYPE OF DOCUMENT
document and could prevent fraudulent reatt  CAPACITY CLAIMED BY SIGNER  INDIVIDUAL	DESCRIPTION OF ATTACHED DOCUMENT  Assignment
CAPACITY CLAIMED BY SIGNER  INDIVIDUAL CORPORATE OFFICER  (TITLE)  PARTNERSHIP LIMITED GENERAL ATTORNEY-IN-FACT	DESCRIPTION OF ATTACHED DOCUMENT  Assignment  TITLE OR TYPE OF DOCUMENT  Assignment of Invention and Utility Patent Application
CAPACITY CLAIMED BY SIGNER  INDIVIDUAL CORPORATE OFFICER  (TITLE)  PARTNERSHIP LIMITED GENERAL ATTORNEY-IN-FACT	DESCRIPTION OF ATTACHED DOCUMENT  Assignment  TITLE OR TYPE OF DOCUMENT  Assignment of Invention and Utility Patent Application  NUMBER OF PAGES DATE OF DOCUMENT  Same as above
CAPACITY CLAIMED BY SIGNER  INDIVIDUAL CORPORATE OFFICER  (TITLE)  PARTNERSHIP LIMITED GENERAL ATTORNEY-IN-FACT TRUSTEE GUARDIAN/CONSERVATOR OTHER:	DESCRIPTION OF ATTACHED DOCUMENT  Assignment  TITLE OR TYPE OF DOCUMENT  Assignment of Invention and Utility Patent Application  NUMBER OF PAGES DATE OF DOCUMENT
CAPACITY CLAIMED BY SIGNER  CAPACITY CLAIMED BY SIGNER  INDIVIDUAL CORPORATE OFFICER  (TITLE)  PARTNERSHIP LIMITED GENERAL ATTORNEY-IN-FACT TRUSTEE GUARDIAN/CONSERVATOR	DESCRIPTION OF ATTACHED DOCUMENT  Assignment  TITLE OR TYPE OF DOCUMENT  Assignment of Invention and Utility Patent Application  NUMBER OF PAGES DATE OF DOCUMENT  Same as above

REEL: 014356 FRAME: 0653

## **ASSIGNMENT**

U.C. Case No. <u>2002-516-2</u>

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

## 1. Ramez Emile Necola Shehada

hereby sells, assigns and transfers to ASSIGNEE, The University of Southern California, a California Corporation, having its statewide administrative offices located University Park, Los Angeles, California 90089, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

TITLE System and Method for Quantitative or Qualitative Measurement of Exogenous Substances in Tissue and Other Materials Using Laser-Induced Fluorescence Spectroscopy

and which is found in		<del></del>		
and which is found in				
(a) U.S. provisional application filed herewith and listing the above named persons as inventors				
(b) U.S. patent application filed herewith and listing the above named persons as inventors				
(c) X U.S. application serial no. 10/407,848	, filed on	April 3, 2003		
(d) U.S. Patent No.:	, issued			
and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;				
ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;				
ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.				
AND the <u>ASSIGNOR(S)</u> requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The University of Southern California.				
executed this  3 day of July, 2003	Signature of Inv	ventor(s) Shehada		

PATENT REEL: 014356 FRAME: 0654

## ALL-PURPOSE NOTARIAL ACKNOWLEDGMENT

State of <u>California</u>		
County of Low angels		
On July 03, 2003 before me, _	foller from	
(Date)	(Name, Title of Officer)	
personally appeared Ramez Emile Ne	ecola Shehada	
☐ personally known to me OR -		
subscribed to the within instrument and same in his/her authorized capacity, and	tory evidence to be the person whose name is a cknowledged to me that he/she executed the d that by his/her signature on the instrument the ich the person acted, executed the instrument.	
ELLEN FOON  CARLO #1284488  ROMER FOON  LOS AMGELES COUNTY	WITNESS my hand and official seal.	
My Comm. Expires Dec. 15, 2009	Sellen toon	
Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.  CAPACITY CLAIMED BY SIGNER DESCRIPTION OF ATTACHED DOCUMENT		
	Assignment TITLE OR TYPE OF DOCUMENT	
<ul><li>☑ INDIVIDUAL</li><li>☐ CORPORATE OFFICER</li></ul>	Invention/Patent Assignment	
	NUMBER OF PAGES DATE OF DOCUMENT	
(TITLE)		
<ul> <li>□ PARTNERSHIP</li> <li>□ LIMITED □ GENERAL</li> <li>□ ATTORNEY-IN-FACT</li> <li>□ TRUSTEE</li> <li>□ GUARDIAN/CONSERVATOR</li> <li>□ OTHER:</li> </ul>	SIGNER (OTHER THAN NAMED ABOVE)	
SIGNER IS REPRESENTING:		

**RECORDED: 08/07/2003** 

PATENT

**REEL: 014356 FRAME: 0655**