

Form PT 1595 (Rev. 10-08)  
OMB No. 0551-0027 (exp. 10/30/2008)

11/25/08  
12-01-2008

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U.S. Patent and Trademark Office

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103537423

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Kyung-Ho Roh  
Joerg Lahann  
David C. Martin

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

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

Name: The Regents of The University of Michigan

Internal Address: 2nd Floor

Street Address: 1214 S. University Avenue

City: Ann Arbor

State: Michigan

Country: United States Zip: 48104-2594

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 6/11/2008; 11/14/2008; 11/14/2008

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

12/137,121

Additional numbers attached? ☐ Yes ☒ No

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

Name: Jennifer M. Woodside-Wojtala

Internal Address: Harness Dickey and Pierce, P.L.C.

Street Address: P.O. Box 828

City: Bloomfield Hills

State: Michigan Zip: 48303

Phone Number: 248-641-1600

Fax Number: 248-641-0270

Email Address: jmwwoodsides@hdp.com

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 08-0750

11/28/2008 MJAAA1 00000053 080750 1213 121

Authorized User Name Jennifer M. Woodside-Wojtala

**9. Signature:**

Jennifer Woodside Wojtala  
Signature

November 24, 2008

Date

Jennifer M. Woodside-Wojtala

Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT  
REEL: 021940 FRAME: 0934

# ASSIGNMENT

Atty. Docket No. 2115-003335

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

## MULTIPHASIC NANO-COMPONENTS COMPRISING COLORANTS

for which Assignor is about to make or has made United States or International application for patent

- (a) ☒ executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/~~she~~ signs the Declaration and Power of Attorney);
- (b) ☐ executed on N/A, N/A, N/A; or
- (c) ☐ filed on N/A, and assigned Serial No. N/A or PCT International Application No. N/A; and

WHEREAS, The Regents of The University of Michigan, having a place of business at 1214 S. University Avenue, 2<sup>nd</sup> Floor, Ann Arbor, Michigan 48104-2594, hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor agrees to, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the invention as described in the aforesaid application and all United States Letters Patent which may be granted therefore, and all divisions, continuations, reissues, reexaminations and extensions thereof, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

# ASSIGNMENT

First Inventor: Joerg Lahann

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public,

Acting in the County Of

State Of

My Commission Expires

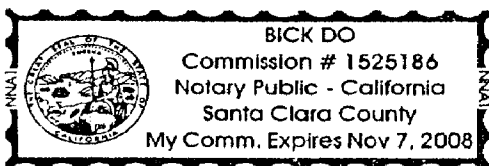
Kyung-Ho Roh  
Second Inventor: Kyung-Ho Roh

State of California )  
County of Santa Clara ) ss.

On this 11 day of June, 2008, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public, Bickel  
Acting in the County Of Santa Clara

State Of California



# ASSIGNMENT

Atty. Docket No. 2115-003335

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

## MULTIPHASIC NANO-COMPONENTS COMPRISING COLORANTS

for which Assignor is about to make or has made United States or International application for patent

- (a) ☐ executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) ☐ executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_; or
- (c) ☒ filed on June 11, 2008, and assigned Serial No. 12/137,121.

WHEREAS, The Regents of The University of Michigan, having a place of business at 1214 S. University Avenue, 2<sup>nd</sup> Floor, Ann Arbor, Michigan 48104-2594, hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor agrees to, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the invention as described in the aforesaid application and all United States Letters Patent which may be granted therefore, and all divisions, continuations, reissues, reexaminations and extensions thereof, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

ASSIGNMENT

  
First Inventor: Joerg Lahann

State of MI )  
County of Washtenaw ) ss.

On this 14 day of November, 20 08 before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public, Susan Hamlin

(seal)

Susan E. Hamlin  
Notary Public, Wayne County, MI  
Commission Expires Nov. 28, 2012  
Acting in Washtenaw County, MI

Acting in the County Of Washtenaw

State Of MI

My Commission Expires 11-28-2012

# ASSIGNMENT

Atty. Docket No. 2115-003335

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- (a) ☐ executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) ☐ executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_; or
- (c) ☒ filed on June 11, 2008, and assigned Serial No. 12/137,121.

WHEREAS, The Regents of The University of Michigan, having a place of business at 1214 S. University Avenue, 2<sup>nd</sup> Floor, Ann Arbor, Michigan 48104-2594, hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor agrees to, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the invention as described in the aforesaid application and all United States Letters Patent which may be granted therefore, and all divisions, continuations, reissues, reexaminations and extensions thereof, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

# ASSIGNMENT

  
Third Inventor: David C. Martin

State of Michigan )  
County of Washtenaw ) ss.

On this 14<sup>th</sup> day of November, 2008, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public, Patricia M. Mackmiller

Acting in the County Of Washtenaw

State Of Michigan

My Commission Expires 01-09-2013

(seal)

PATRICIA M MACKMILLER Notary Public, State of Michigan County of Livingston My Commission Expires Jan. 09, 2013 Acting in the County of <u>Washtenaw</u>
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