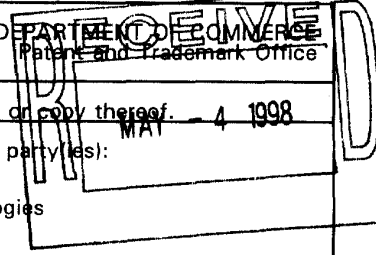


FORM PTO-1595  
(Rev. 6-93)

06-02-1998



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



To the Honorable Asst. Commissioner

Original documents or copy thereof. - 4 1998

100725716

MRD 5-4-98

1. Name of conveying party(ies):

Eric McFarland  
Earl Danielson  
Martin Devenney  
Casper Reaves  
Daniel M. Giacinta  
Damodara M. Poojary  
Xin Di Wu  
Josh H. Golden

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

Name: Symyx Technologies

Internal Address:

Street Address: 3100 Central Expressway

City: Santa Clara State: California ZIP: 95051

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

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other:

Execution Date: 3/24/98; 3/24/98; 3/23/98; 3/23/98;  
3/23/98; 3/23/98; 3/24/98; 3/19/98

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) 09/019,425

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Eugenia Garrett-Wackowski  
TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, 8th Floor  
San Francisco, California 94111-3834  
(415) 576-0200

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41):..... \$ 40

- Enclosed  Charge Fees to Deposit Account
- Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account

8. Deposit account number: 20-1430

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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.

Eugenia Garrett-Wackowski  
Name of Person Signing

4/29/98  
Date

Atty. Reg. No. 37,330

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

10. Change Correspondence Address to that of Part 5?  Yes  No

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

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PATENT

REEL: 9196 FRAME: 0670

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Eric McFarland, of 454 N. Turnpike, Santa Barbara, California 94306, Earl Danielson of 3840 Corina Way, Palo Alto, California 94303, Martin Devenney, of 1758 Villa Street, #14, Mountain View, California 94041, Casper Reaves, of 636 Teatree Court, San Jose, California 95128, Daniel M. Giaquinta, of 395 Ano Nuevo Avenue, #915, Sunnyvale, California 94086, Damodara M. Poojary, of 20677 Forge Way, #219, Cupertino, California 95014, Xin Di Wu, of 968 Hurlstone Lane, San Jose, California 95120, and Josh H. Golden, of 111 Pedegast Avenue, Santa Cruz, California 95060, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: **PHOSPHOR MATERIALS**

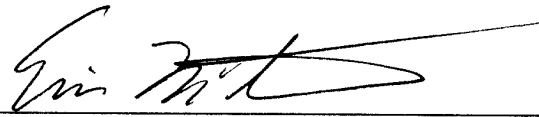
Filing date: 2/5/98 Application No.: 09/019,425; and

WHEREAS, **Symyx Technologies**, a California corporation, located at 3100 Central Expressway, Santa Clara, California 95051, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

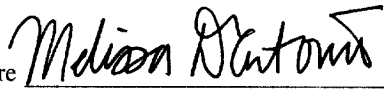
IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: 3/24/98   
Eric McFarland


STATE OF California  
COUNTY OF Santa Clara

On March 24, 1998, before me, Melissa D'Antonio (here insert name and title of the officer), personally appeared Eric McFarland, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person ~~x~~ whose name ~~x~~ is ~~x~~ subscribed to the within instrument and acknowledged to me that he ~~x~~/she ~~x~~/they executed the same in his ~~x~~/her ~~x~~/their authorized capacity ~~x~~, and that by his ~~x~~/her ~~x~~/their signature ~~x~~ on the instrument the person ~~x~~, or the entity upon behalf of which the person ~~x~~ acted, execute the instrument.

WITNESS my hand and official seal.

Signature  (Seal)

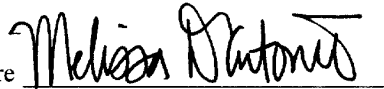


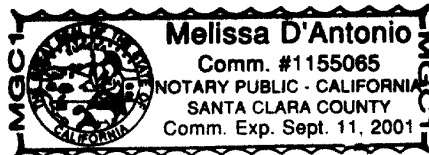
Date: 3/24/98   
Earl Danielson

STATE OF California  
COUNTY OF Santa Clara

On March 24, 1998, before me, Melissa D'Antonio (here insert name and title of the officer), personally appeared Earl Danielson, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person ~~x~~ whose name ~~x~~ is ~~x~~ subscribed to the within instrument and acknowledged to me that he ~~x~~/she ~~x~~/they executed the same in his ~~x~~/her ~~x~~/their authorized capacity ~~x~~, and that by his ~~x~~/her ~~x~~/their signature ~~x~~ on the instrument the person ~~x~~, or the entity upon behalf of which the person ~~x~~ acted, execute the instrument.

WITNESS my hand and official seal.

Signature  (Seal)



Date: 3/23/98

  
Martin Devenney

STATE OF California  
COUNTY OF Santa Clara

On March 23, 1998, before me, Melissa D'Antonio (here insert name and title of the officer), personally appeared Martin Devenney, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person~~s~~ whose name~~s~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/~~they~~ executed the same in his/~~her~~/~~their~~ authorized capacity~~(ies)~~, and that by his/~~her~~/~~their~~ signature~~s~~ on the instrument the person~~s~~, or the entity upon behalf of which the person~~s~~ acted, execute the instrument.

WITNESS my hand and official seal.



Signature  (Seal)

Date: 23 March 1998

  
Casper Reaves

STATE OF California  
COUNTY OF Santa Clara

On March 23, 1998, before me, Melissa D'Antonio (here insert name and title of the officer), personally appeared Casper Reaves, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person~~s~~ whose name~~s~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/~~they~~ executed the same in his/~~her~~/~~their~~ authorized capacity~~(ies)~~, and that by his/~~her~~/~~their~~ signature~~s~~ on the instrument the person~~s~~, or the entity upon behalf of which the person~~s~~ acted, execute the instrument.

WITNESS my hand and official seal.



Signature  (Seal)

Date: 3/23/98

*[Signature]*  
Daniel M. Giaquinta

STATE OF California  
COUNTY OF Santa Clara

On March 23, 1998, before me, Melissa D'Antonio (here insert name and title of the officer), personally appeared **Daniel M. Giaquinta**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person ~~is~~ whose name ~~is~~ subscribed to the within instrument and acknowledged to me that he ~~is~~ executed the same in his ~~is~~ authorized capacity ~~is~~, and that by his ~~is~~ signature ~~is~~ on the instrument the person ~~is~~, or the entity upon behalf of which the person ~~is~~ acted, execute the instrument.

WITNESS my hand and official seal.

Signature *Melissa D'Antonio* (Seal)



Date: 3/23/98

*[Signature]*  
Damodara M. Poojary

STATE OF California  
COUNTY OF Santa Clara

On March 23, 1998, before me, Melissa D'Antonio (here insert name and title of the officer), personally appeared **Damodara M. Poojary**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person ~~is~~ whose name ~~is~~ subscribed to the within instrument and acknowledged to me that he ~~is~~ executed the same in his ~~is~~ authorized capacity ~~is~~, and that by his ~~is~~ signature ~~is~~ on the instrument the person ~~is~~, or the entity upon behalf of which the person ~~is~~ acted, execute the instrument.

WITNESS my hand and official seal.

Signature *Melissa D'Antonio* (Seal)



Date: 3/26/98

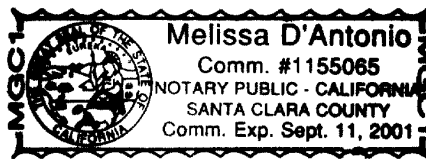
Xin Di Wu  
Xin Di Wu

STATE OF California  
COUNTY OF Santa Clara

On March 24, 1998, before me, Melissa D'Antonio (here insert name and title of the officer), personally appeared Xin Di Wu, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person~~s~~ whose name~~s~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity~~(ies)~~, and that by his/~~her~~/their signature~~s~~ on the instrument the person~~s~~, or the entity upon behalf of which the person~~s~~ acted, execute the instrument.

WITNESS my hand and official seal.

Signature Melissa D'Antonio (Seal)



Date: March 19, 1998

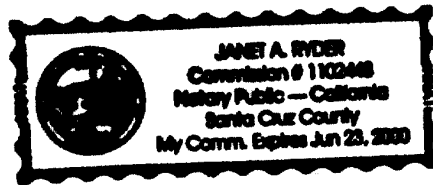
Josh H. Golden  
Josh H. Golden

STATE OF California  
COUNTY OF Santa Cruz

On March 19, 1998, before me, Janet A. Ryder, Notary Public (here insert name and title of the officer), personally appeared Josh H. Golden, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person~~s~~ whose name~~s~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity~~(ies)~~, and that by his/~~her~~/their signature~~s~~ on the instrument the person~~s~~, or the entity upon behalf of which the person~~s~~ acted, execute the instrument.

WITNESS my hand and official seal.

Signature Janet A. Ryder (Seal)



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