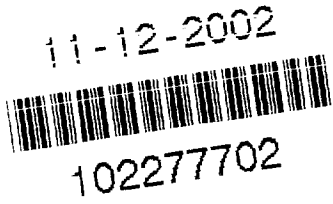


*Carl*

ASSI



ET

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

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

Ralph NIELSEN, Eric CARLSON, Han-Ting CHANG, Sigrid KUEBLER, Miroslav PETRO  
Additional name(s) of conveying party(ies) attached // Yes /X/No

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

Symyx Technologies, Inc.  
Street Address: 3100 Central Expressway  
City: Santa Clara State: CA ZIP: 95051

**3. Nature of conveyance:**

Resubmission of Assignment // Merger  
 Security Agreement // Change of Name

*109002*

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

**Assignment previously recorded on March 29, 2002, on Reel 012759, Frame 0311**

**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)**

09/640,093, dated August 17, 2000

**B. Patent No.(s)**

Additional numbers attached? // Yes /X/ No

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

Name: Herbert B. Keil  
Internal Address: \_\_\_\_\_  
Street Address: Keil & Weinkauf  
1350 Connecticut Ave. N.W  
City: Washington State: D.C ZIP: 20036

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

11

**7. Total Fee(37 CFR 3.41).... \$ 40.00**

**8. Deposit Account 11-0345 if fee is deficient or not attached**

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FINANCIAL SECTION

DO NOT USE THIS SPACE

11/07/2002 TDIAZI 00000165 09640093  
01 FC:8021 40.00 DP

**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.+

Herbert B. Keil  
Name of Person Signing

*H B Keil*  
Signature

10/21/02  
Date

Total number of pages



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

1. Name of conveying party(ies) 3-29-02 | 2. Name and address of receiving party(ies)  
 Ralph NIELSEN; Han-Ting CHANG; Sigrid KUEBLER;  
 and Miroslav PETRO | Symyx Technologies, Inc.  
 3100 Central Expressway  
 Santa Clara, CA 95051

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

3. Nature of conveyance:  
 /x/ Assignment // Merger  
 // Security Agreement // Change of Name

Execution Date: \_\_\_\_\_ | Additional name(s) & address(es) attached?  
 // Yes /x/ No

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) | B. Patent No. (s)  
09/640,093 | \_\_\_\_\_

Additional numbers attached? // Yes /x/ No

5. Name and address of party to whom  
 correspondence concerning document should  
 be mailed:  
 Name: Herbert B. Keil  
 Internal Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Street Address: Keil & Weinkauff  
1101 Connecticut Ave. N.W  
City: Washington State: D.C ZIP: 20036

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

7. Total Fee(37 CFR 3.41).... \$ 40.00  
 Since the omitted name was on the  
 original document, no fee should be  
 required.

8. Deposit Account 11-0345 if fee is  
 deficient or not attached /X/

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.

Herbert B. Keil | Herbert B Keil | March 29 2002  
 Name of Person Signing | Signature | Date

Total number of pages / 5 /

04/10/2002 LMUELLER 00000063 09640093  
 01 FC:581 40.00 OP

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Ralph Nielsen residing at San Jose, California, Eric Carlson residing at Cupertino, California, Han-Ting Chang residing at Livermore, California, Sigrid Kuebler residing at Santa Clara, California, and Miroslav Petro residing at San Jose, California hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letter Patent:

Title of Invention:           **Surface Active Random Radical (Co)Polymer and Dispersion Method for Using the Same**

Filing Date: 8/17/00           Application No.: 09/640,093 and

WHEREAS, **Symyx Technologies, Inc.**, a Delaware 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: 28 December 2001

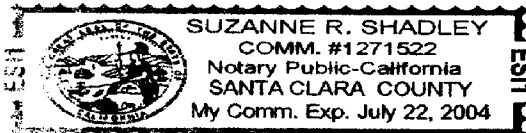
Ralph Nielsen  
Ralph Nielsen

STATE OF California  
COUNTY OF Santa Clara

On Dec. 28, 2001, before me, Suzanne R. Shadley, Notary Public, personally appeared Ralph Nielsen 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, executed the instrument.

WITNESS my hand and official seal

Signature Suzanne R. Shadley



(Seal)

Date: 1-14-02

Eric Carlson  
Eric Carlson

STATE OF California  
COUNTY OF Santa Clara

On Jan 14, 2002, before me, Renec Lamantia, Notary Public, personally appeared Eric Carlson 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, executed the instrument.

WITNESS my hand and official seal

Signature Renec Lamantia

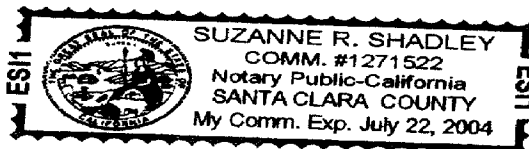


(Seal)

On Jan. 25, 2002, before me, Suzanne R. Shadley, Notary Public, personally appeared Han-Ting Chang 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, executed the instrument.

WITNESS my hand and official seal

Signature Suzanne R. Shadley



(Seal)

Date: 01/25/2002

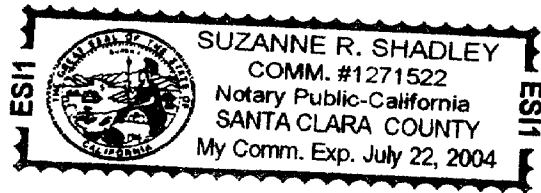
*Han-Ting Chang*  
Han-Ting Chang

STATE OF California  
COUNTY OF Santa Clara

On Jan. 25, 2002, before me, Suzanne R. Shadley, Notary Public, personally appeared Han-Ting Chang 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, executed the instrument.

WITNESS my hand and official seal

Signature *Suzanne R. Shadley*



(Seal)

Date: Jan 29, 2002

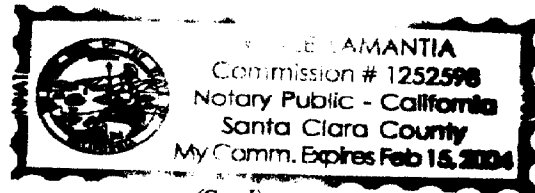
*Sigrid Kuebler*  
Sigrid Kuebler

STATE OF California  
COUNTY OF Santa Clara

On 1/29/02, before me, Revue Lamantia, Notary Public, personally appeared Sigrid Kuebler 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, executed the instrument.

WITNESS my hand and official seal

Signature *Revue Lamantia*



(Seal)

Date: 1/25/02

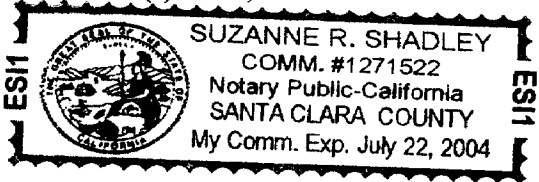
*Miroslav Petro*  
Miroslav Petro

STATE OF California  
COUNTY OF Santa Clara

On Jan. 25, 2002, before me, Suzanne R. Shadley, Notary Public, personally appeared Miroslav Petro 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, executed the instrument.

WITNESS my hand and official seal

Signature *Suzanne R. Shadley*



(Seal)