#### 503701534 02/19/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3748174

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HOWARD W. TURNER	01/19/1999
G. CAMERON DALES	01/19/1999
LYNN VANERDEN	01/19/1999
JOHANNES A.M. VAN BEEK	01/04/1999

#### **RECEIVING PARTY DATA**

Name:	SYMYX TECHNOLOGIES	
Street Address:	3100 CENTRAL EXPRESSWAY	
City:	SANTA CLARA	
State/Country:	CALIFORNIA	
Postal Code:	95051	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Patent Number:	7288229

### **CORRESPONDENCE DATA**

Fax Number: (314)612-2307

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 314-621-5070

Email: uspatents@armstrongteasdale.com **Correspondent Name:** ARMSTRONG TEASDALE LLP

7700 FORSYTH BLVD. Address Line 1:

Address Line 2: **SUITE 1800** 

Address Line 4: ST. LOUIS, MISSOURI 63105

ATTORNEY DOCKET NUMBER:	FSL3099.13 (30300-256)
NAME OF SUBMITTER:	MARY R. MCKINNEY
SIGNATURE:	/Mary R. McKinney/
DATE SIGNED:	02/19/2016

## **Total Attachments: 4**

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PATENT REEL: 037780 FRAME: 0445

03-30-1999

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.  1. Name of the conveying party(ies): Howard Turner, G. Cameron Dales, Lynn VanErden, and Johannes A.M. van Beek    Name: Symyx Technologies	FORM PTO-1596 (MODIFIED) (REV. 6-93) OMB NO. 0651-0011 P09/REV0I  RECORDATION FO SHEET PATENTS	
Name of the conveying party(ies):   Howard Turner, G. Cameron Dales, Lynn VanErden, and Johannes   A.M. van Beek		100331003
Execution Date:    Corporation-State: Delaware Other: Non-Profit Organization Additional name(s) & address(les) attached?   Yes   No	1. Name of the conveying party(ies): Howard Turner, G. Cameron Dales, Lynn VanErden, and Johannes A.M. van Beek  Individuals (Association) General Partnership Limited Partnership Corporation-Delaware Other: Additional name(s) of conveying party(ies) attached? Yes No  3. Nature of conveyance:  Assignment Merger	e record the attached original documents or copy thereof.  2. Name and address of receiving party(ies):  Name: Symyx Technologies  Internal Address:  Street Address:  3100 Central Expressway  City: Santa Clara State: CA Zip: 95051  Individual(s) Citizenship Association: General Partnership:
Additional name(s) & address(ies) attached?	Other:	
4. Application number(s) or registration number(s):  A. Patent Application No.(s)  09/211,982  Additional numbers attached?  S. Name and address of party to whom correspondence concerning document should be mailed:  Name: Matthew J. Russo (Reg. No. 41,282)  Internal Address: RADER, FISHMAN & GRAUER PLLC  Street Address: 1533 N. Woodward Avenue, Suite 140  City: Bloomfield Hills State: Michigan Zip: 48304  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.  Matthew J. Russo  March 17, 1999	Execution Date:	
A. Patent Application No.(s)  09/211,982  Additional numbers attached?  Yes No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Matthew J. Russo (Reg. No. 41,282) Internal Address: RADER, FISHMAN & GRAUER PLLC Street Address: 1533 N. Woodward Avenue, Suite 140 City: Bloomfield Hills State: Michigan Zip: 48304  B. Patent No.(s)  6. Total number of applications and patents involved: one one one of the concerning document in the c		Additional name(s) & address(ies) attached?
Additional numbers attached?  Yes No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Matthew J. Russo (Reg. No. 41,282) Internal Address: RADER, FISHMAN & GRAUER PLLC Street Address: 1533 N. Woodward Avenue, Suite 140 City: Bloomfield Hills State: Michigan Zip: 48304  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.  Matthew J. Russo  March 17, 1999	4. Application number(s) or registration number(s):	
Additional numbers attached?  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.  Additional numbers attached?  Yes No  6. Total number of applications and patents involved: one  7. Total fee (37 CFR 3.41):\$ 40.00  Enclosed  Authorized to be charged to deposit account  8. Deposit account number: 50-0496	A. Patent Application No.(s)	B. Patent No.(s)
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Matthew J. Russo (Reg. No. 41,282) Internal Address: RADER, FISHMAN & GRAUER PLLC Street Address: 1533 N. Woodward Avenue, Suite 140 City: Bloomfield Hills State: Michigan Zip: 48304  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.  Matthew J. Russo  March 17, 1999	09/211,982	
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	To the best of my knowledge and belief, the foregoing informat	ion is true and correct and any attached copy is a true copy of
/ Systamic Date	Matthew J. Russo	
Total number of pages including cover sheet, attachments and document: 4 Atty. Docket No. 65304-049	Signature	

PATENT REEL: 037780 FRAME: 0446

#### ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Howard W. Turner of 2948 Massih Court, Campbell, California 95008, G. Cameron Dales of 859 Colorado Avenue, Palo Alto, California 94303, Lynn Van Erden of 1261 Bordeaux Street, Livermore, California 94550 and Johannes A.M. van Beek of Rue de la Cambre 22, Apt. 0F, B-1200, Brussels, Belgium, 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: Improved Parallel Reactor with Internal Sensing
Filing Date: December 14, 1998 Application No.: 09/211,982 ; 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: 1/19/99 HUT
Howard W. Turner
COUNTY OF SANTA CLARA
COUNTY OF Santa Clara  On Jamary 19, 1999, before me, Melissa D'Artonio, Notary Public, personally appeared Hand W. Turner, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or
the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal  Signature Melissa D'Antonio Comm. #1155065 Comm. #1155065 Santa Clara County Santa Clara County Comm. #115005

PATENT REEL: 037780 FRAME: 0447

Comm. Exp. Sept. 11, 2001

Date: 1/19/99 G. Jum Alles
STATE OF California
STATE OF California COUNTY OF Santa Clara
On Tamary 19, 1999, before me, Maissa DAntorio, Notary Public, personally
appeared <u>Cameron Dates</u> , personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or
the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal  Melissa D'Antonio
Signature Melissa D'Antonio Comm. #1155065 Signature (Seal)  Signature Comm. #1155065 SANTA CLARA COUNTY COMM. Exp. Sept. 11, 2001
Date: 1-19-99 Zyll Fr
Lynn Van Erden
COUNTY OF Santa Clara
COUNTY OF Santa Clara  On January 19, 1999 before me, Maissa DAntonio, Notary Public, personally appeared Lynn Van Erden, personally known to me (or proved to me on the basis of satisfactory and acknowledged to me that
evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or
the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal
Signature Melissa D'Antonio Comm. #1155065 NOTARY PUBLIC - CALIFORNIO SANTA CLARA COUNTY COmm. Exp. Sept. 11, 2001

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Date: 1/4//99			Johannes A	A.M. van Beek	THEO WHOUS	
STATE OF			_			
COUNTY OF						
Onappearedevidence) to be the person he executed the same in hithe entity upon behalf of	i whose name is subseri	and that by his signat	d to me on the trument and a ure on the ins	cknowledged to m	ory e that	•
WITNESS my hand and	official seal					
Signature		(Seal)				

PATENT REEL: 037780 FRAME: 0449

**RECORDED: 02/19/2016**