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PATENT REEL: 011280 FRAME: 0155

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Sigrid C. Kuebler of 1055 E. Evelyn Ave, Apt. E61, Sunnyvale, California 94086 and James Bennett of 1196 Phillips Court, Santa Clara, California 95051, 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:

FIBER OPTIC APPARATUS AND USE THEREOF IN COMBINATORIAL MATERIAL SCIENCE

Filing Date: October 11, 2000 Application No.: 09/689,553 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.

PATENT REEL: 011280 FRAME: 0156

Docket No.:2000-007 Page 2 of 2

Date: 1/00 7, 2000

Signid C. 1 Tin 6 le

STATE OF California COUNTY OF Santa Clara

On Nov. 7, 2000, before me, Suzanne R. Shadley, Notary Public, personally appeared Sigrid C. 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 Manale K. Chadley



Date: 1-06-2000

Per

STATE OF California COUNTY OF

Santa Clara

On Nov. 6, 2000, before me, Suzanne R. Shadley, Notary Public, personally appeared James Bennett, 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 Munch madles



RECORDED: 11/14/2000