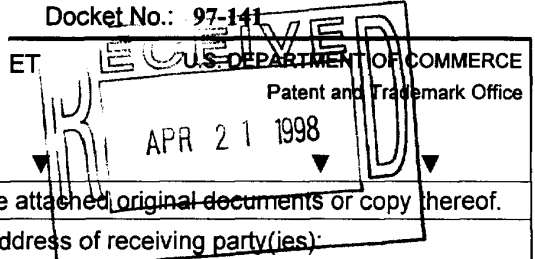


05-11-1998

FORM PTO-1595 (Modified)
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)
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4-21-98
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Gayle W. Miller and Kenneth P. Fuchs

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

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

Execution Date: 4/15/98

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

Name: Symbios, Inc.

Internal Address: _____

Street Address: 2001 Danfield Court

City: Fort Collins State: CO ZIP: 80525

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

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/052,793

B. Patent No.(s)

05/08/1998 DCOATES 00000237 195405 09052793

01 FC:581

40.00 CH

Additional numbers attached? Yes No

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

Name: Wayne P. Bailey

Internal Address: _____

Street Address: 2001 Danfield Court

City: Fort Collins State: CO ZIP: 80525

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00 €

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

19-5405

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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.

Kathleen M. Manke

Kathleen M. Manke

April 17, 1998

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4

ASSIGNMENT OF UNITED STATES PATENT APPLICATION

WHEREAS, we, **Gayle W. Miller** of Colorado Springs, CO; and **Kenneth P. Fuchs**, of Colorado Springs, CO, have invented certain new and useful improvements in a **METHOD OF ELECTRICALLY CONNECTING AND ISOLATING COMPONENTS WITH VERTICAL ELEMENTS EXTENDING BETWEEN INTERCONNECT LAYERS IN AN INTEGRATED CIRCUIT**, Docket No. 97-141, for which we have executed an application for Letters Patent of the United States on April 15, 1998 and April 15, 1998, respectively; and

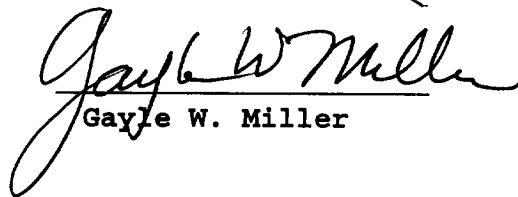
WHEREAS, **Symbios, Inc.**, a corporation of the State of Delaware, having its principal place of business in Fort Collins, Colorado, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and any and all foreign countries;

NOW, THEREFORE, be it known for good and valuable considerations, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said **Symbios, Inc.**, its successors and assigns, the entire right, title and interest in and to the invention and improvements in any form or embodiment thereof, disclosed and claimed in said application, or which are disclosed and may be claimed; also the entire right, title and interest in and to any Letters Patent to be granted in the United States and its territorial possessions and in any and all foreign countries upon said invention in any form or upon any such improvements thereon, and in and to any and all divisions, reissues, continuations and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent on said application to the said **Symbios, Inc.**, of Delaware, its successors and assigns.

Further, we agree that we will communicate to said **Symbios, Inc.**, or its representatives, any facts known to us respecting said invention, and testify in any legal proceeding, sign all

lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Symbios, Inc., make all rightful oaths and generally to do everything possible to aid said Symbios, Inc., its successors and assigns, to obtain and enforce protection for said invention in the United States and in any and all foreign countries.


Signed at Colorado Springs, Colorado, this 15th day of April, 1998.


Gayle W. Miller

STATE OF COLORADO)
) ss:
COUNTY OF EL PASO)

On this 15 day of April, 1998, before me personally appeared **Gayle W. Miller**, to me personally known and known to be the person who signed the foregoing assignment, and acknowledged the signing thereof as his free act and deed.

(SEAL)


Notary Public

Signed at Colorado Springs, Colorado, this 15 day of
April, 1998.

Kenneth P. Fuchs
Kenneth P. Fuchs

STATE OF COLORADO)
) ss:
COUNTY OF EL PASO)

On this 15 day of April, 1998, before me personally appeared **Kenneth P. Fuchs**, to me personally known and known to be the person who signed the foregoing assignment, and acknowledged the signing thereof as his free act and deed.

(SEAL)

Clare R. Culpepper
Notary Public