

09-08-2005

Atty. Docket No. 003921.00242

To the Director of the U.S. Patents and

103076735

ments or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s)

Aptix Corporation

Execution Date(s) 6/27/05; 7/6/05

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Mentor Graphics Corporation

Internal Address: _____

Street Address: 8005 SW Boeckman Road

City: Wilsonville

State: OR

Country: _____ Zip: 97070-7777

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

1. 09/797,159 (Pub. No. 20010009032)

2. 10/052,671 (Pub. No. 20020100010)

B. Patent No.(s)

1. 6,160,276

2. 5,973,340

3. 5,903,041

Additional numbers attached? ☒ Yes ☐ No

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

Name: Christopher L. McKee

Internal Address: Banner & Witcoff, Ltd.

Street Address: 1001 G Street, N.W.

11th Floor

City: Washington

State: D.C. Zip: 20001-4597

Phone Number : 202-824-2000

Fax Number: 202-824-3001

Email Address: cmckee@bannerwitcoff.com

6. Total number of applications and patents involved: 36

7. Total fee (37 CFR 1.21(h) & 3.41)

\$ 1,440.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 19-0733

Authorized User Name Banner & Witcoff, Ltd.

9. Signature :

Signature

Christopher L. McKee, Registration No. 32,384

Date

Total number of pages including cover sheet, attachments, and documents

6

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

09/07/2005 ECDPER 00000112 190733 09797159

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1440.00 DA

PATENT
REEL: 016945 FRAME: 0219

**CONTINUED LISTING OF PATENTS FROM BOX NO. 4
OF RECORDATION FORM COVER SHEET**

<u>U.S. Patent Nos.</u>	
4.	5,661,409
5.	5,654,564
6.	5,640,308
7.	5,544,069
8.	5,504,354
9.	5,451,811
10.	5,432,708
11.	5,414,638
12.	5,413,489
13.	5,412,261
14.	5,406,138
15.	5,400,948
16.	5,400,294
17.	5,400,262
18.	5,384,433
19.	5,383,787
20.	5,377,124
21.	5,371,390
22.	5,367,482
23.	5,341,267
24.	5,321,322
25.	5,319,261
26.	5,315,545
27.	5,313,021
28.	5,311,053
29.	5,301,147
30.	5,264,741
31.	5,257,239
32.	5,239,503
33.	5,077,451
34.	5,055,973

A S S I G N M E N T

UNITED STATES PATENT PROPERTIES

WHEREAS, Aptix Corporation (hereinafter Assignor), a corporation organized under the laws of the state of California, having offices at 1249 Innsbruck Drive, Sunnyvale, CA 94089, warrants and states it is the sole and exclusive owner of the following United States Patents and United States Patent Applications (hereinafter called the Patent Properties):

Publication No.	Title
6,160,276	Double-sided programmable interconnect structure
5,973,340	Interconnect substrate with circuits for field-programmability and testing of multichip modules and hybrid circuits
5,903,041	Integrated two-terminal fuse-antifuse and fuse and integrated two-terminal fuse-antifuse structures incorporating an air gap
5,661,409	Field programmable printed circuit board
5,654,564	Interconnect structure with programmable IC for interconnecting electronic components, including circuitry for controlling programmable IC
5,640,308	Field programmable circuit module
5,544,069	Structure having different levels of programmable integrated circuits interconnected through bus lines for interconnecting electronic components
5,504,354	Interconnect substrate with circuits for field-programmability and testing of multichip modules and hybrid circuits
5,451,811	Electrically programmable interconnect element for integrated circuits
5,432,708	Multichip module integrated circuit device having maximum input/output capability
5,414,638	Programmable interconnect architecture
5,413,489	Integrated socket and IC package assembly
5,412,261	Two-stage programmable interconnect architecture
5,406,138	Programmable interconnect architecture using fewer storage cells than switches
5,400,948	Circuit board for high pin count surface mount pin grid arrays
5,400,294	Memory cell with user-selectable logic state on power-up
5,400,262	Universal interconnect matrix array
5,384,433	Printed circuit structure including power, decoupling and signal termination
5,383,787	Integrated circuit package with direct access to internal signals
5,377,124	Field programmable printed circuit board
5,371,390	Interconnect substrate with circuits for field-programmability and testing of

<u>Publication No.</u>	<u>Title</u>
	multichip modules and hybrid circuits
5,367,482	High voltage random-access memory cell incorporation level shifter
5,341,267	Structures for electrostatic discharge protection of electrical and other components
5,321,322	Programmable interconnect architecture without active devices
5,319,261	Reprogrammable interconnect architecture using fewer storage cells than switches
5,315,545	High-voltage five-transistor static random access memory cell
5,313,021	Circuit board for high pin count surface mount pin grid arrays
5,311,053	Interconnection network
5,301,147	Static random access memory cell with single logic-high voltage level bit-line and address-line drivers
5,264,741	Low current, fast, CMOS static pull-up circuit for static random-access memories
5,257,239	Memory cell with known state on power-up
5,239,503	High voltage random-access memory cell incorporating level shifter
5,077,451	Custom tooled printed circuit board
5,055,973	Custom tooled printed circuit board
20020100010	Field programmable printed circuit board
20010009032	Structure having different levels of programmable integrated circuits interconnected through bus lines for interconnecting electronic components

and

WHEREAS, Mentor Graphics Corporation (hereinafter Assignee), a corporation organized under the laws of the state of Oregon, having a place of business at 8005 SW Boeckman Road, Wilsonville, OR 97070-7777, desires to acquire the entire right, title and interest in and to said Patent Properties and worldwide rights in the inventions described therein;

NOW, THEREFORE, be it known that for good and valuable consideration, receipt of which is acknowledged, Assignor does hereby sell, assign, transfer to Assignee and its successors, assigns and legal representatives, the entire right, title and interest in and to the Patent Properties identified above, including all worldwide rights thereto, rights of priority therein and rights to file for protection of inventions set forth therein under the Patent Cooperation Treaty and under any other treaty or laws of any country, and in and to any and all letters patent which have been, or may be, granted therefor, and all divisionals, continuing applications, reexaminations, reissues and extensions thereof; the same to be held and enjoyed by Assignee, its successors, assigns and legal representatives to the full end of the term or terms for which any and all letters patent may be

ASSIGNMENT - Page 2 of 4

granted, together with all claims against third parties for damages by reason of past infringement of any one or more of said Patent Properties with the right to sue for and collect the same for Assignee's own use and for the use of Assignee's successors, assigns and other legal representatives;

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all letters patent of the United States resulting from said Patent Properties and any confirmations, divisions, continuations, reexaminations, reissues or extensions thereof, to Assignee, or if directed by Assignee to Assignee's successors, assigns or legal representatives;

ASSIGNOR covenants and agrees in favor of Assignee and its successors that at any time upon the request of Assignee or its successors, Assignor will, at Assignee's expense, communicate to Assignee or its successors all information known to Assignor relating to the Patent Properties, execute and deliver all papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts necessary: (i) to execute papers reasonably required by Assignee to perfect title to the Patent Properties, including divisions and continuations thereof and to any and all letters patent which may be granted therefor or thereon, in any country, including reissues or extensions, in Assignee or its successors; (ii) to assist Assignee or its successors in obtaining, maintaining, confirming or enforcing by reissue or reexamination a grant of a valid United States Patent to Assignee on said Patent Properties; and (iii) to assist Assignee in connection with any interference which may be declared concerning said Patent Properties and any letters patent which may be granted therefor or thereon, or any confirmation, division, continuation, reexamination or reissue thereof;

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ASSIGNOR agrees, upon request of Assignee, its successors, legal representatives or assigns, to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar treaties or agreements.

IN WITNESS WHEREOF, the Assignor and Assignee have executed this Assignment effective as of the date of the last to sign below.

ASSIGNEE

Mentor Graphics Corporation

By: H. V. S.
Name: Hamdi El-Sissi
Title: CEO
Date: 6/27/05

By: Mark A. Porter
Name: Mark A. Porter
Title: Senior IP Counsel
Date: 6 July 2005

Subscribed and Sworn to Before Me this 27th day of June, 2000 AM

Subscribed and Sworn to Before Me this
day of _____, 2000

Notary Public
My Commission Expires 9/26/05

~~Notary Public~~
~~My Commission Expires~~

