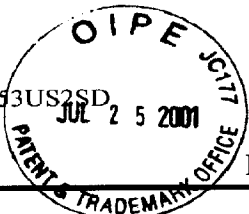


Atty Docket No.: 210553US2SD

FORM PTO-1595
1-31-92



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):

RESEARCH TRIANGLE INSTITUTE

07/25/01

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

Name: ZIPTRONIX, INC.

Address: Research Triangle Park
North Carolina

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

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: October 26, 2000

Additional name(s) and address(es) attached? ☐ Yes ☒ 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)

09/165,203 09/532,886
09/311,149 09/505,283
09/410,054 09/635,272

B. Patent No.(s)

5,272,095
5,318,916

Additional numbers attached? ☐ Yes ☒ No

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



22850

6. Total applications and patents involved: 8

7. Total fee (37 CFR 3.41): \$320.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030
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July 25, 2001

Date

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PATENT
REEL: 012002 FRAME: 0970

ASSIGNMENT

WHEREAS, Research Triangle Institute is the owner, by assignment from the inventors, of the inventions described in the patents and patent applications identified in Schedule A and owns the trademarks, domain name registration and other intellectual property as described in Schedule B.

WHEREAS, Ziptronix, Inc., (hereinafter referred to as "ASSIGNEE") having a place of business at Research Triangle Park, N.C., is desirous of acquiring the entire right, title and interest in and to said inventions, patent applications, Letters Patent, trademarks, domain name registration and such other intellectual property as described above.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Research Triangle Institute, does hereby sell, assign and transfer unto said ASSIGNEE, the full and exclusive right, title and interest to said inventions, patent applications and Letters Patent listed in Schedule A, and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof. For the same consideration, ASSIGNOR does sell, assign, and transfer to ASSIGNEE the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to said patent applications, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for any foreign applications under the terms of any applicable conventions, treaties, statutes, regulations, said foreign applications to be filed and issued in the name of ASSIGNEE, or its designee insofar as permitted by applicable law.

PROVIDED FURTHER, that Research Triangle Institute assigns all right, title and interest to the "ZIPTRONIX" trademarks and tradename, as appearing in Schedule B, and the domain name registration for ziptronix.com, including the right to sue for damages and other remedies in respect of any infringement of the trademarks which may have occurred before the date of this assignment, together with the goodwill of the business symbolized by said trademarks.

Provided, however, Research Triangle Institute reserves a royalty free, nonexclusive and nontransferable license under those inventions and Letters Patent described in Schedule A as necessary to perform work under two existing Research Triangle Institute contracts, namely Defense Advanced Research Project Agency [DARPA] Contract No. MDA972-00-C-0039; and Northrup Grunman Purchase Order No. 8200018673.

Research Triangle Institute hereby authorizes and requests the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted from said applications, to said ASSIGNEE as the owner of the entire right, title and interest in and to the same, for the sole use of said ASSIGNEE, its

successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by Research Triangle Institute had this Assignment and Sale not been made.

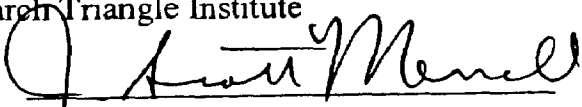
Further, Research Triangle Institute agrees that it will communicate to said ASSIGNEE or its representatives any facts known to it respecting said inventions and, when requested by and at the expense of ASSIGNEE, will provide appropriate employees to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said inventions and improvements in the United States and its territorial possessions and in any and all foreign countries.

Research Triangle Institute hereby covenants that it has clear and unencumbered title to the inventions identified in Schedule A and the trademarks and domain name registration identified in Schedule B, and it has not executed and will not execute any agreement in conflict herewith.

IN WITNESS WHEREOF, Research Triangle Institute has executed this assignment as of the date indicated below.

Research Triangle Institute

By:



Title:

Director and Counsel

Date:

26 Oct. 2000

(SEAL)

Schedule A

Inventions, Patent Applications and Letters Patent

Patent 5,272,095	Method of Manufacturing Heterojunction Transistors with Self-Aligned Metal Contacts
Patent 5,318,916	Symmetric Self-Aligned Processing
Appl. 165,203	Self Aligned Symmetric Intrinsic Process and Device
Appl. PCT/US99/20898	Self Aligned Symmetric Intrinsic Process and Device
Appl. 311,149	Self Aligned Symmetric Intrinsic Process and Device
Appl. 410,054	Three Dimensional Device Integration Method and Integrated Device
Appl. 532,886	Three Dimensional Device Integration Method and Integrated Device
Appl. 505,283	Method of Low Temperature Bonding and Bonded Structure
Appl. TBD 635, 272	A Method of Epitaxial-Like Wafer Bonding at Low Temperature

H&M: 73048.01

RECORDED: 07/25/2001

PATENT
REEL: 012002 FRAME: 0973