

RECORDATION I  
PATENT

02-02-1999

NT OF COMMERCE  
nd Trademark Office



100954400

To the Honorable Commissioner of Patents and Trademark.

copy thereof.

1. Name of conveying party(ies):

Bai Nguyen, Om P. Agrawal,  
Bradley E. Sharpe-Geisler,  
Jack T. Wong, Herman M. Chang

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

3. Nature of conveyance:

1-28-99

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

Execution Date: 01/14/99

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

Name: Vantis Corporation

Address: 995 Stewart Drive

Sunnyvale, California

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

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

A. Patent Application No.: 09/208,203

Title: Efficient Interconnect Network For Use In  
FPGA Device Having Variable Grain  
Architecture

Filed Date: 12/09/98

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

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

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

Name: Martin C. Fliesler

Address: Fliesler, Dubb, Meyer & Lovejoy

Four Embarcadero Center, Suite 400

San Francisco, CA 94111

Telephone: (415) 362-3800

6. Total Number of applications and patents  
involved: 1 X \$40.00 each

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

☒ Check Enclosed

8. Fee Authorization. Authorization is given to charge  
any additional fees or credit any  
overpayment to Deposit Account  
No. 06-1325.

Copy. (A duplicate copy of this authorization is  
not enclosed.)

40E

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.*

Gideon Gimlan

Attorney (Reg. No.: 31,955)

Signature

Date

1-20-99

10. Total number of pages to be recorded: 6 (1 page cover sheet and 5 page document).

**JOINT TO CORPORATE ASSIGNMENT**

WHEREAS, the undersigned Inventors:

(1) BAI NGUYEN,  
a resident of 2611 Kendrick Circle, San Jose, California 95121; and

(2) OM P. AGRAWAL,  
a resident of 891 Highlands Circle, Los Altos, California 94024; and

(3) BRADLEY A. SHARPE-GEISLER,  
a resident of 1416 Dot Court, San Jose, California 95120; and

(4) JACK T. WONG,  
a resident of 44288 Revere Place, Fremont, California 94539; and

(5) HERMAN M. CHANG,  
a resident of 10234 Miner Place, Cupertino, CA 95014;

have invented certain new and useful improvements in:

**EFFICIENT INTERCONNECT NETWORK FOR USE IN FPGA DEVICE  
HAVING VARIABLE GRAIN ARCHITECTURE**

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

Said application having SC/Serial Number 09/208,203 and filed on the 9th day of December, 1998.

WHEREAS VANTIS CORPORATION (hereinafter termed "Assignee"), a corporation of the State of Delaware, having a place of business at Sunnyvale, State of California, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

**NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:**

**1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.**

**2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.**

**3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.**

**4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.**

IN WITNESS WHEREOF, the said Inventors have executed this instrument on the date of acknowledgement before the Notary Public as given below and delivered this instrument to said Assignee.

(1) Jimmy Jan 1/14/99  
(Inventor's Signature)

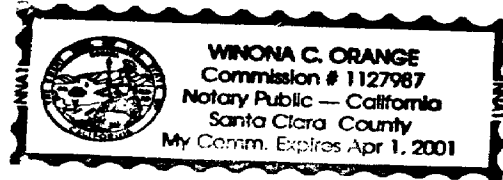
State of California  
County of Santa Clara

On January 14, 1999 before me, Winona C. Orange Notary Public  
(name and title of officer)

personally appeared Bai Nguyen, 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 Winona C. Orange



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(2) Om P. Agrawal 1/14/99  
(Inventor's Signature)

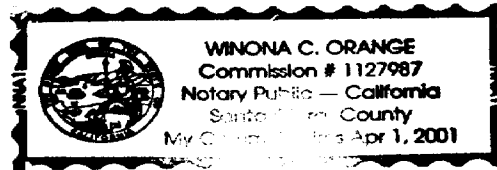
State of California  
County of Santa Clara

On January 14, 1999 before me, Winona C. Orange Notary Public  
(name and title of officer)

personally appeared Om P. Agrawal, 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 Winona C. Orange



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(3) Brad Sharpe-Geisler 1-14-1999  
(Inventor's Signature)

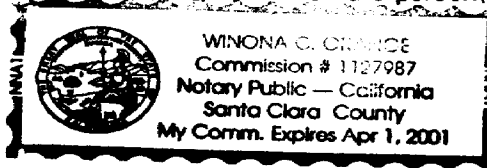
State of California  
County of Santa Clara

On January 14, 1999 before me, WINONA C. ORANGE, Notary Public  
(name and title of officer)

personally appeared Brad Sharpe-Geisler, 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 Winona C. Orange



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(4) Jack T. Wong 1/14/1999  
(Inventor's Signature)

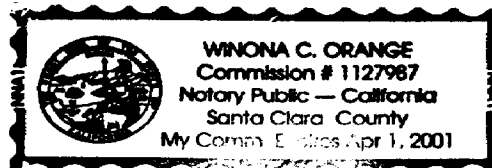
State of California  
County of Santa Clara

On January 14, 1999 before me, WINONA C. ORANGE, Notary Public  
(name and title of officer)

personally appeared Jack T. Wong, 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 Winona C. Orange



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(5) Herman Change 1/14/99  
(Inventor's Signature)

State of California  
County of Santa Clara

On January 14, 1999 before me, WINONA C. ORANGE, Notary Public  
(name and title of officer)

personally appeared Herman Change, 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 Winona C. Orange

