

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Om P Agrawal</td> <td>03/09/1998</td> </tr> <tr> <td>Herman M Chang</td> <td>03/09/1998</td> </tr> <tr> <td>Bradley A Sharpe-Geisler</td> <td>03/09/1998</td> </tr> <tr> <td>Giap H Tran</td> <td>03/09/1998</td> </tr> </tbody> </table>		Name	Execution Date	Om P Agrawal	03/09/1998	Herman M Chang	03/09/1998	Bradley A Sharpe-Geisler	03/09/1998	Giap H Tran	03/09/1998
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RECEIVING PARTY DATA											
Name:	Vantis Corporation										
Street Address:	920 De Guigne Drive										
City:	Sunnyvale										
State/Country:	CALIFORNIA										
Postal Code:	94086										
PROPERTY NUMBERS Total: 3											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>6380759</td> </tr> <tr> <td>Patent Number:</td> <td>6621298</td> </tr> <tr> <td>Patent Number:</td> <td>6150842</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	6380759	Patent Number:	6621298	Patent Number:	6150842		
Property Type	Number										
Patent Number:	6380759										
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Patent Number:	6150842										
CORRESPONDENCE DATA											
Fax Number:	(503)268-8459										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	503-268-8269										
Email:	mark.becker@latticesemi.com										
Correspondent Name:	Mark L. Becker										
Address Line 1:	5555 NE MOORE COURT										
Address Line 4:	HILLSBORO, OREGON 97124-6421										
ATTORNEY DOCKET NUMBER:	C373297										
NAME OF SUBMITTER:	Mark L. Becker										

CH \$120.00 6380759

PATENT

Total Attachments: 4

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JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

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

(2) HERMAN M. CHANG,
a resident of 10234 Miner Place, Cupertino, California 95014; and

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

(4) GIAP H. TRAN,
a resident of 3602 Carick Place Way, San Jose, California 95121,

respectively, have invented certain new and useful improvements in:

VARIABLE GRAIN ARCHITECTURE FOR FPGA INTEGRATED CIRCUITS

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 08/948,306 and filed on the 9th day of October, 1997.

WHEREAS, **VANTIS CORPORATION** (hereinafter termed "Assignee"), a corporation of the State of Delaware, having a place of business at 920 De Guigne Drive, Sunnyvale, State of California, 94086, 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 and delivered this instrument to said Assignee on the date of acknowledgement before the Notary Public as given below.

(1) Om P. Agrawal 3/9/98
(Inventor's Signature)

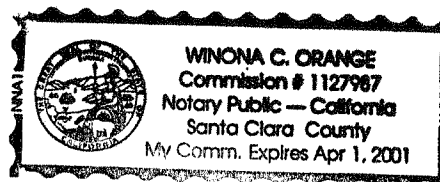
State of California
County of Santa Clara

On March 9, 1998 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 whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Winona C. Orange



(2) Herman M. Chang 3/9/98
(Inventor's Signature)

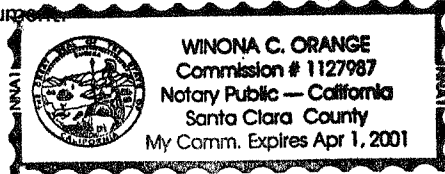
State of California
County of Santa Clara

On March 9, 1998 before me, Winona C. Orange, Notary Public
(name and title of officer)

personally appeared Herman M. Chang, ~~personally known to me~~ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Winona C. Orange



(3) Bradley A. Sharpe-Geisier 3-9-98
(Inventor's Signature)

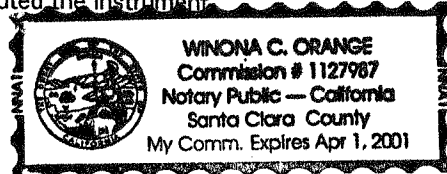
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County of Santa Clara

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personally appeared Bradley A. Sharpe-Geisier, ~~personally known to me~~ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Winona C. Orange



(4) Giap 3/9/98
(Inventor's Signature)

State of California

County of Santa Clara

On March 9, 1998 before me, Winona C. Orange, Notary Public
(name and title of officer)

personally appeared Giap H. Tran, ~~personally known to me~~ (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Winona C. Orange

