

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the execution date for inventor Cassetti is 06/22/1999 previously recorded on Reel 010104 Frame 0254. Assignor(s) hereby confirms the change reflects inventor Cassetti's signature page (pg 9 of 9).										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Swaroop Adusumilli</td><td>04/30/1999</td></tr><tr><td>James Steele</td><td>04/30/1999</td></tr><tr><td>David Cassetti</td><td>06/22/1999</td></tr></tbody></table>		Name	Execution Date	Swaroop Adusumilli	04/30/1999	James Steele	04/30/1999	David Cassetti	06/22/1999		
Name	Execution Date										
Swaroop Adusumilli	04/30/1999										
James Steele	04/30/1999										
David Cassetti	06/22/1999										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>VLSI Technology, Inc.</td></tr><tr><td>Street Address:</td><td>1109 McKay Drive</td></tr><tr><td>City:</td><td>San Jose</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>95131</td></tr></table>		Name:	VLSI Technology, Inc.	Street Address:	1109 McKay Drive	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95131
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PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Patent Number:</td><td>6311302</td></tr></tbody></table>		Property Type	Number	Patent Number:	6311302						
Property Type	Number										
Patent Number:	6311302										
CORRESPONDENCE DATA											
Fax Number: (408)474-9082 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 3474431592											
Email: david.schaeffer@nxp.com											
Correspondent Name: David L Schaeffer											
Address Line 1: 1109 McKay Drive, M/S 41 SJ											
Address Line 2: NXP Semiconductors, IP&L Department											
Address Line 4: San Jose, CALIFORNIA 95131											
NAME OF SUBMITTER:	David L. Schaeffer										

Total Attachments: 9

501350147

PATENT
REEL: 025363 FRAME: 0257

CH \$40.00 6311302

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7/16-99
FORM PTO-1
(Rev. 6-97)
OMB No. 0651-0011 (exp. 4/94)
Docket No. VLSI.229PA

07-22-1999



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

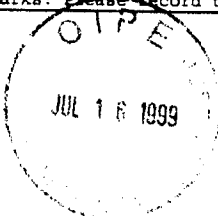
To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Swaroop ADUSUMILLI
James STEELE
David CASSETTI

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

VLSI Technology, Inc.
1109 McKay Drive
San Jose, CA 95131



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

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

3. Nature of conveyance:

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

Execution Date: April 30, 1999

4. Application number(s) or patent number(s): 09/283,648

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

A. Patent Application No.(s)

09/283,648

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Robert J. Crawford
Address: CRAWFORD PLLC
333 Washington Avenue North
Suite 5000
Minneapolis, MN 55401

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our Deposit account number:

07/20/1999 AMCHARGE 00000039 09283648

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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.

Robert J. Crawford
Name of Person Signing

[Signature]
Signature

July 13, 1999

Date

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

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Mail documents to be recorded with required cover sheet information to:

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Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

PATENT
REEL: 010104 FRAME: 0254

PATENT
REEL: 025363 FRAME: 0259

ASSIGNMENT

WHEREAS, I/we, Swaroop Adusumilli, residing at 505 West Baseline Road, Apartment 2121, Tempe, Arizona 85283, James Steele, residing at 2129 West Mission Drive, Chandler, Arizona 85224, and David Cassetti, residing at 1251 East Louis Way, Tempe, Arizona 85284, made certain new and useful inventions and improvements for which we herewith file an application for letters Patent of the United States, which is entitled **Method and Arrangement for Heirarchical Control of Multiple Test Access Port Control Modules**. Attorney Docket No. VLSI.229PA (VLSI Reference No. 3189).

AND WHEREAS, VLSI Technology, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 1109 McKay Drive, San Jose, California 95131 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, I/we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I/ we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me/us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements,

inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I/we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by me/us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30th day of APRIL, 1999.

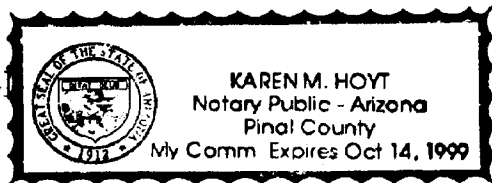
A. Swaroop
Swaroop Adusumilli

STATE OF Arizona)
COUNTY OF Maricopa) ss.



On this 30 day of April, 1999, before me personally appeared Swaroop Adusumilli, known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]



Karen M. Hoyt
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30th day of April, 1999.

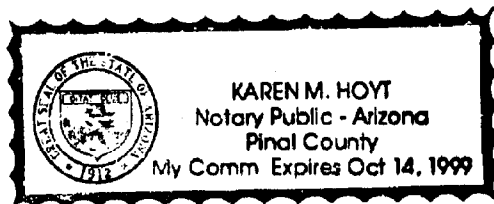
James Steele
James Steele

STATE OF Arizona)
COUNTY OF Maricopa) ss.



On this 30th day of April, 1999, before me personally appeared James Steele, known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]



Karen M Hoyt
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of

_____, 1999.

Separately Submitted

David Cassetti

STATE OF _____)
) ss.
COUNTY OF _____)

On this _____ day of _____, 1999, before me personally appeared David Cassetti, known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

ASSIGNMENT

WHEREAS, I/we, Swaroop Adusumilli, residing at 505 West Baseline Road, Apartment 2121, Tempe, Arizona 85283, James Steele, residing at 2129 West Mission Drive, Chandler, Arizona 85224, and David Cassetti, residing at 1251 East Louis Way, Tempe, Arizona 85284, made certain new and useful inventions and improvements for which we herewith file an application for letters Patent of the United States, which is entitled **Method and Arrangement for Heirarchical Control of Multiple Test Access Port Control Modules**. Attorney Docket No. VLSI.229PA (VLSI Reference No. 3189).

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NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, I/we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I/ we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me/us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements,

inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I/we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by me/us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 1999.

Separately Submitted
Swaroop Adusumilli

STATE OF _____)
) ss.
COUNTY OF _____)

On this _____ day of _____, 1999, before me personally appeared Swaroop Adusumilli, known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 1999.

Separately Submitted

James Steele

STATE OF _____)
) ss.
COUNTY OF _____)

On this _____ day of _____, 1999, before me personally appeared James Steele, known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27 day of

June, 1999.

David Cassetti
David Cassetti

STATE OF Arizona)
COUNTY OF Maricopa) ss.

On this 27 day of June, 1999, before me personally appeared David Cassetti, known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

Mary J. Berrios
Notary Public

