

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3003770

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SILICON IMAGE, INC.	04/13/2014

RECEIVING PARTY DATA

Name:	ACACIA RESEARCH GROUP LLC
Street Address:	2400 DALLAS PARKWAY SUITE 200
City:	PLANO
State/Country:	TEXAS
Postal Code:	75093

PROPERTY NUMBERS Total: 14

Property Type	Number
Patent Number:	5999571
Patent Number:	5905769
Patent Number:	5835498
Patent Number:	5974464
Patent Number:	6870930
Patent Number:	7143328
Patent Number:	7555693
Patent Number:	7599439
Patent Number:	8311126
Patent Number:	7295578
Patent Number:	6151334
Patent Number:	5825824
Patent Number:	6026124
Application Number:	12494187

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: jgraff@acaciares.com

Correspondent Name: JENNIFER GRAFF

Address Line 1: 2400 DALLAS PARKWAY SUITE 200

PATENT

Address Line 4: PLANO, TEXAS 75093

NAME OF SUBMITTER: JENNIFER GRAFF

SIGNATURE: /Jennifer Graff/

DATE SIGNED: 08/29/2014

Total Attachments: 5

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ASSIGNMENT

WHEREAS, SILICON IMAGE, INC., a Delaware corporation, having a place of business at 1140 East Arques Avenue, Sunnyvale, CA 94085 (hereafter, together with any successors, legal representatives or assigns thereof, called "Assignor") is the owner of the entire right, title, and interest and assignee of the **U.S. Patents listed in the attached exhibit;**

AND WHEREAS, ACACIA RESEARCH GROUP LLC, a Texas limited liability company having a place of business at 2400 Dallas Parkway, Suite 200, Plano, Texas 75093 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said **U.S. Patents listed in the attached exhibit** and all the inventions therein, and Assignor is willing to enter into such assignment.

NOW, THEREFORE, effective on April ~~1~~³, 2014 and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from ASSIGNEE is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to **the U.S. Patents and patent applications listed in Exhibit A attached hereto** and all foreign patents, foreign patent applications, including all continuations, continuations-in-part, divisionals, extensions, renewals, reissues and re-examinations related thereto (except for US Patent Numbers listed in Exhibit B, the foreign patents listed in Exhibit B and the foreign patent applications listed in Exhibit B which are not hereby assigned, transferred and set over to ASSIGNEE), including without limitation, all rights to sue for past, present and future infringement, including the right to collect and receive any damages, royalties, or settlements for such infringements, all rights to sue for injunctive or other equitable relief, and any and all causes of action relating to any of the inventions or discoveries thereof;

Assignor hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict with this Assignment;

FOR USPTO RECORDING

IN TESTIMONY WHEREOF, I hereunto set my hand this 12th day of April, 2014.

SILICON IMAGE, INC.
(Assignor)

By [Signature]
Name Noland G. Maberry
Title CFO

STATE OF)
COUNTY OF)

On _____, before me _____, Notary Public, personally appeared _____ 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.

I certify under PENALTY OF PERJURY under the laws of the State of _____ that the foregoing paragraph is true and correct. WITNESS my hand and official seal.

Signature of Notary

SEE ATTACHED ASSIGNMENT

ACKNOWLEDGMENT

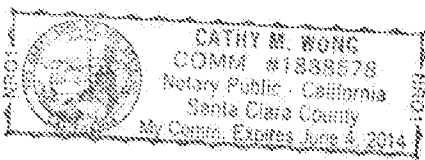
State of: California
County of: Santa Clara

On April 12, 2014, before me Cathy M. Wong, Notary Public
(here insert name and title of the officer)
personally appeared NOLANO GRANBERG

who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Handwritten Signature]

(Seal)

This Certificate is attached to:

Title or type of document: Assignment -> ARACIA RESEARCH GROUP, LLC.

Number of pages: 4 with Exhibits A-B

Date of document: April 12, 2014

Signer(s) other than named above: NONE

Notary Phone Number: 650-290-3550 or 408-355-3700

EXHIBIT A
PATENTS

U.S. PATENTS & APPLICATIONS

	US Patent No.	US Appl. No.	Filing Date	Issue Date	Title
1	<u>5999571</u>	08/539816	1995-10-05	1999-12-07	Transition-controlled digital encoding and signal transmission system
1	<u>5905769</u>	08/646450	1996-05-07	1999-05-18	System and method for high-speed skew-insensitive multi-channel data transmission
1	<u>5835498</u>	08/664136	1996-06-14	1998-11-10	System and method for sending multiple data signals over a serial link
1	<u>5974464</u>	08/723694	1996-09-30	1999-10-26	System for high speed serial video signal transmission using DC-balanced coding
2	<u>6870930</u>	09/579811	2000-05-26	2005-03-22	Methods and systems for TMDS encryption
3	<u>7143328</u>	09/942885	2001-08-29	2006-11-28	Auxiliary data transmitted within a display's serialized data stream
3	<u>7555693</u>	11/488515	2006-07-17	2009-06-30	Auxiliary data transmitted within a display's serialized data stream
3		12/494187	6/29/2009		Auxiliary data transmitted within a display's serialized data stream
4	<u>7599439</u>	11/166458	2005-06-24	2009-10-06	Method and system for transmitting N-bit video data over a serial link
4	<u>8311126</u>	12/501637	2009-07-13	2012-11-13	Method and System for Transmitting or Receiving N-Bit Video Data over a Serial Link
5	<u>7295578</u>	09/954291	2001-09-12	2007-11-13	Method and apparatus for synchronizing auxiliary data and video data transmitted over a TMDS-like link

**EXHIBIT B
EXCLUDED PATENTS**

Family Number	US Patent No.	US Appl. No.	Filing Date	Issue Date	Title
1	6151334	09/187559	1998-11-04	2000-11-21	System and method for sending multiple data signals over a serial link
1	5825824	1996622810	1996-03-27	1998-10-20	DC-balanced and transition-controlled encoding method and apparatus
1	6026124	09/097021	1998-06-12	2000-02-15	Transition-controlled digital encoding and signal transmission system

Family Number	Foreign Patent No.		Publication Date	Filing Date	Title
1	<u>WO1997036408</u> (and associated filings)	PCT/US97/05220	1997-10-02	1997-03-25	Transition controlled balanced encoding scheme
4	<u>CN1901674</u> (and associated filings)		2007-01-24	2006-06-23	Transmission of n-bit video data over a serial link