

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Junlin Li</td> <td>10/04/2009</td> </tr> <tr> <td>Dihong Tian</td> <td>10/06/2009</td> </tr> <tr> <td>Wen-hsiung Chen</td> <td>10/06/2009</td> </tr> <tr> <td>Yian Xu</td> <td>10/06/2009</td> </tr> </tbody> </table>		Name	Execution Date	Junlin Li	10/04/2009	Dihong Tian	10/06/2009	Wen-hsiung Chen	10/06/2009	Yian Xu	10/06/2009
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Junlin Li	10/04/2009										
Dihong Tian	10/06/2009										
Wen-hsiung Chen	10/06/2009										
Yian Xu	10/06/2009										
RECEIVING PARTY DATA											
Name:	Cisco Technology, Inc.										
Street Address:	170 W. Tasman Drive										
Internal Address:	Mail Stop SJC 10/2/1										
City:	SAN JOSE										
State/Country:	CALIFORNIA										
Postal Code:	95134										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12574409</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12574409						
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Application Number:	12574409										
CORRESPONDENCE DATA											
Fax Number:	(510)291-2985										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	510-547-3378										
Email:	dov@inventek.com										
Correspondent Name:	Dov Rosenfeld										
Address Line 1:	5507 College Avenue, Suite 2										
Address Line 4:	Oakland, CALIFORNIA 94618										
ATTORNEY DOCKET NUMBER:	CISCO22817										
NAME OF SUBMITTER:	Dov Rosenfeld										

OP \$40.00 12574409

Total Attachments: 8

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ASSIGNMENT OF PATENT APPLICATION

Each of us the undersigned is an inventor of certain inventions relating to

LOCALLY VARIABLE QUANTIZATION AND HYBRID VARIABLE LENGTH CODING FOR IMAGE AND VIDEO COMPRESSION

(hereafter INVENTION) described in an application for Letters Patent of the United States, identified as Docket/Ref. No. CISCO22817, at Dov Rosenfeld, 5507 College Avenue, Suite 2, Oakland, CA 94618, the specification of which is filed concurrent with recording of this assignment, unless the following is checked and filed on _____, as Application Serial No. _____, hereafter referred to as APPLICATION.

Cisco Technology, Inc., a corporation organized under the laws of California, hereafter referred to as ASSIGNEE, is desirous of acquiring as the entire right, title and interest in and to said INVENTION and APPLICATION.

FOR GOOD AND VALUABLE CONSIDERATION, receipt of which is hereby expressly acknowledged:

EACH OF US hereby sells, assigns, transfers and conveys unto ASSIGNEE and its successors, assigns and legal representatives, the entire right, title and interest:

1) in and to said INVENTION and APPLICATION, any and all improvements relating to said INVENTION and APPLICATION, and each and every additional application filed anywhere in the world, which additional application is a division, substitution, continuation or continuation-in-part, of, is based on or claims priority of said APPLICATION, or which additional application relates to said INVENTION or improvements;

2)) all priority rights associated with the filing of each and every such application, for each country of The Paris Convention; and

3) in and to each and every Patent on said invention and improvements that may be granted by any country, including each and every Patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, re-examination or extension of each and every such Patent.

EACH OF US warrants, covenants and represents the fact that each of us has not heretofore granted any license, right or privilege with respect to said INVENTION or said APPLICATION to any other, or in any other way encumbered the Same, and that each of us has the full right to sell, assign, transfer and convey, free of all licenses and encumbrances, the entire interest hereby assigned.

EACH OF US covenants that, at the request and expense of ASSIGNEE, each of us shall promptly execute all papers necessary or desirable to perfect ownership of said INVENTION, said APPLICATION, said applications, and said each and every Patent to ASSIGNEE, and execute all oaths, declarations and other papers necessary or desirable for prosecuting said APPLICATION and said additional application(s), for use in interference proceedings involving said INVENTION, said APPLICATION, said additional application(s), and each and every Patent, for use in opposition proceedings involving said invention, APPLICATION and additional applications and each and every Patent, for refiling APPLICATION and additional application(s), for filing of, substitution, continuation or continuation-in-part applications deemed necessary or desirable by ASSIGNEE, for reissuance or re-examinations of said each and every Patent, or for the filing in foreign countries of applications for Patent Counterpart to or based on said APPLICATION or to an application which is, division, substitution, continuation or continuation-in-part of said application or which application relates to said invention and improvements.

EACH OF US further covenants and agrees that, at the expense and request of ASSIGNEE, each of us shall promptly assist ASSIGNEE in interference and opposition proceedings involving said invention, applications and each and every Patent, and in litigation involving said INVENTION, APPLICATION, other applications and each and every Patent, and will assist in the ascertainment of facts and the production of evidence relating to said INVENTION, APPLICATION, other applications and each and every Patent.

The terms, covenants and provisions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon each of us, each of our heirs, legal representatives and assigns.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

We authorize said Assignee or its agents to insert, on our behalf, the filing date and/or serial number above pertaining to the above-referenced application, if not known as of the date of execution of this document.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

FIRST INVENTOR:

Junlin Li
Inventor's Signature

04 Oct, 2019
DATE

Inventor's Printed Name: Junlin Li

Witness statement: On the date above personally came the above named Junlin Li and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature Jing Liu

Printed Name of Witness: Jing Liu

SECOND INVENTOR:

Inventor's Signature

DATE

Inventor's Printed Name: Dihong Tian

Witness statement: On the date above personally came the above named Dihong Tian and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature _____

Printed Name of Witness: _____

THIRD INVENTOR:

Inventor's Signature

DATE

Inventor's Printed Name: Wen-hsiung Chen

Witness statement: On the date above personally came the above named Wen-hsiung Chen and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature _____

Printed Name of Witness: _____

FOURTH INVENTOR:

Inventor's Signature

DATE

Inventor's Printed Name: Yian Xu

Witness statement: On the date above personally came the above named Yian Xu and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature _____

Printed Name of Witness: _____

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- 1) in and to said INVENTION and APPLICATION, any and all improvements relating to said INVENTION and APPLICATION, and each and every additional application filed anywhere in the world, which additional application is a division, substitution, continuation or continuation-in-part, of, is based on or claims priority of said APPLICATION, or which additional application relates to said INVENTION or improvements;
- 2)) all priority rights associated with the filing of each and every such application, for each country of The Paris Convention; and
- 3) in and to each and every Patent on said invention and improvements that may be granted by any country, including each and every Patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, re-examination or extension of each and every such Patent.

EACH OF US warrants, covenants and represents the fact that each of us has not heretofore granted any license, right or privilege with respect to said INVENTION or said APPLICATION to any other, or in any other way encumbered the Same, and that each of us has the full right to sell, assign, transfer and convey, free of all licenses and encumbrances, the entire interest hereby assigned.

EACH OF US covenants that, at the request and expense of ASSIGNEE, each of us shall promptly execute all papers necessary or desirable to perfect ownership of said INVENTION, said APPLICATION, said applications, and said each and every Patent to ASSIGNEE, and execute all oaths, declarations and other papers necessary or desirable for prosecuting said APPLICATION and said additional application(s), for use in interference proceedings involving said INVENTION, said APPLICATION, said additional application(s), and each and every Patent, for use in opposition proceedings involving said invention, APPLICATION and additional applications and each and every Patent, for refiling APPLICATION and additional application(s), for filing of, substitution, continuation or continuation-in-part applications deemed necessary or desirable by ASSIGNEE, for reissuance or re-examinations of said each and every Patent, or for the filing in foreign countries of applications for Patent Counterpart to or based on said APPLICATION or to an application which is, division, substitution, continuation or continuation-in-part of said application or which application relates to said invention and improvements.

EACH OF US further covenants and agrees that, at the expense and request of ASSIGNEE, each of us shall promptly assist ASSIGNEE in interference and opposition proceedings involving said invention, applications and each and every Patent, and in litigation involving said INVENTION, APPLICATION, other applications and each and every Patent, and will assist in the ascertainment of facts and the production of evidence relating to said INVENTION, APPLICATION, other applications and each and every Patent.

The terms, covenants and provisions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon each of us, each of our heirs, legal representatives and assigns.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of

PATENT

REEL: 023334 FRAME: 0779

the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

We authorize said Assignee or its agents to insert, on our behalf, the filing date and/or serial number above pertaining to the above-referenced application, if not known as of the date of execution of this document.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

FIRST INVENTOR:

.....
Inventor's Signature

.....
DATE

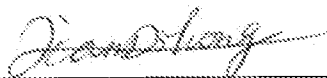
Inventor's Printed Name: Junlin Li

Witness statement: On the date above personally came the above named Junlin Li and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature

Printed Name of Witness:

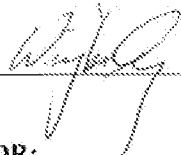
SECOND INVENTOR:


Inventor's Signature

06 Oct 2009
DATE

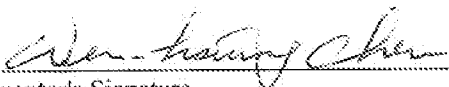
Inventor's Printed Name: Dihong Tian

Witness statement: On the date above personally came the above named Dihong Tian and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature 

Printed Name of Witness: Wingkuen Chung

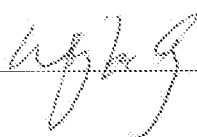
THIRD INVENTOR:


Inventor's Signature

06 Oct 2009
DATE

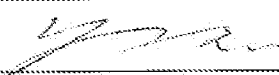
Inventor's Printed Name: Wen-hsiung Chen

Witness statement: On the date above personally came the above named Wen-hsiung Chen and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature 

Printed Name of Witness: Wingkuen Chung

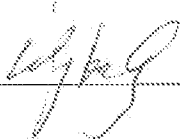
FOURTH INVENTOR:


Inventor's Signature

06 Oct 2009
DATE

Inventor's Printed Name: Yian Xu

Witness statement: On the date above personally came the above named Yian Xu and executed the foregoing assignment before me/us. The above named individual is personally known by me/us or proved to me/us on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment before me/us. The above named individual acknowledged to me/us that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Witness Signature 

Printed Name of Witness: Wingkuen Chung