

## 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>Wen-hsiung Chen</td><td>03/12/2007</td></tr><tr><td>Pi Sheng Chang</td><td>03/12/2007</td></tr><tr><td>John A. Toebes</td><td>03/13/2007</td></tr><tr><td>Dihong Tian</td><td>03/12/2007</td></tr></tbody></table>	Name	Execution Date	Wen-hsiung Chen	03/12/2007	Pi Sheng Chang	03/12/2007	John A. Toebes	03/13/2007	Dihong Tian	03/12/2007	
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Wen-hsiung Chen	03/12/2007										
Pi Sheng Chang	03/12/2007										
John A. Toebes	03/13/2007										
Dihong Tian	03/12/2007										
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>11686860</td></tr></tbody></table>	Property Type	Number	Application Number:	11686860							
Property Type	Number										
Application Number:	11686860										
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, #2										
Address Line 4:	Oakland, CALIFORNIA 94618										
ATTORNEY DOCKET NUMBER:	CISCO15314										
NAME OF SUBMITTER:	Dov Rosenfeld										

OP \$40.00 11686860

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PATENT  
REEL: 019021 FRAME: 0124

**Total Attachments: 7**

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**PATENT**

**REEL: 019021 FRAME: 0125**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Tian, <i>et al.</i> Application No.: 11/686,860 Filed: March 15, 2007 Title: PER MULTI-BLOCK PARTITION BREAKPOINT DETERMINING FOR HYBRID VARIABLE LENGTH CODING	Group Art Unit: Examiner: (Unassigned)
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**REQUEST FOR RECORDATION OF ASSIGNMENT**

Mail Stop Assignment Recordation Services  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Commissioner:

Enclosed herewith for recordation in the records of the U.S. Patent and Trademark Office is an original Assignment (or a copy of an original), an Assignment Cover Sheet, and \$40.00. Please record and return the Assignment.

Respectfully Submitted,

March 15, 2007  
Date

/Dov Rosenfeld/ #38687  
Dov Rosenfeld, Reg. No. 38687

Address for correspondence:

Dov Rosenfeld  
5507 College Avenue, Suite 2  
Oakland, CA 94618  
Tel. (510) 547-3378; Fax: (510) 291-2985

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

PATENTS ONLY

Tab settings ⇨⇨⇨

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

1. Name of conveying party(ies):

Dihong Tian  
Wen-hsiung Chen  
Pi Sheng Chang  
John A. Toebe

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

3. Nature of conveyance:

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

Execution Date: March 13, 2007

2. Name and address of receiving party(ies)

Name: Cisco Technology, Inc.  
Internal Address: \_\_\_\_\_

Street Address: Mail Stop SJC 10/2/1

170 W. Tasman Drive

City: San Jose State: CA Zip: 95134

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

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

If this document is being filed together with a new application, the execution date of the application is: March 15, 2007

A. Patent Application No.(s) 11/686,860

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Dov Rosenfeld

Inventek

Internal Address: \_\_\_\_\_

Street Address: 5507 College Avenue, Suite 2

City: Oakland State: CA Zip: 94618

6. Total number of applications and patents involved: 1

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

☒ Fee being paid by EFS Web by credit card payment

☒ Authorized to be charged to deposit account

8. Deposit account number:

50-0292

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.*

Dov Rosenfeld /Dov Rosenfeld/ #38687 March 15, 2007  
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: 6

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

RECORDATION FORM COVER SHEET

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Dov Rosenfeld

Name of Person Signing

/Dov Rosenfeld/ #38687

Signature

March 15, 2007

Date

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Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Ref. No. CISCO15314

**ASSIGNMENT OF PATENT APPLICATION**

FOR GOOD AND VALUABLE CONSIDERATION, We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto Cisco Technology, Inc., a corporation organized under the laws of California as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

PER MULTI-BLOCK PARTITION BREAKPOINT DETERMINING FOR HYBRID VARIABLE LENGTH CODING

described in an application for Letters Patent of the United States, identified as Docket/Ref. No. CISCO15314, 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.                     , and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

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.

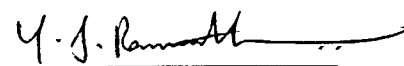
IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

  
Inventor's Signature

12 March 2007  
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 1 Signature 

Printed Name of Witness 1: RAM JAGADECAN

Wen-hsiung Chen  
Inventor's Signature

12 March 2007  
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 1 Signature Y. J. Ramadeesan

Printed Name of Witness 1: RAM JAGADEESAN

Pi Sheng Chang  
Inventor's Signature

12 MARCH 2007  
DATE

Inventor's Printed Name: Pi Sheng Chang

**Witness statement:** On the date above personally came the above named Pi Sheng Chang 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 1 Signature Y. J. Ramadeesan

Printed Name of Witness 1: RAM JAGADEESAN

\_\_\_\_\_  
Inventor's Signature

\_\_\_\_\_  
DATE

Inventor's Printed Name: John A. Toebes

**Witness statement:** On the date above personally came the above named John A. Toebes 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 1 Signature \_\_\_\_\_

Printed Name of Witness 1: \_\_\_\_\_

Ref. No. CISCO15314

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described in an application for Letters Patent of the United States, identified as Docket/Ref. No. CISCO15314, 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. \_\_\_\_\_, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

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.

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

\_\_\_\_\_  
Inventor's Signature\_\_\_\_\_  
DATEInventor'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 1 Signature \_\_\_\_\_

Printed Name of Witness 1: \_\_\_\_\_



\_\_\_\_\_  
Inventor's Signature\_\_\_\_\_  
DATEInventor'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 1 Signature \_\_\_\_\_

Printed Name of Witness 1: \_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature\_\_\_\_\_  
DATEInventor's Printed Name: Pi Sheng Chang

**Witness statement:** On the date above personally came the above named Pi Sheng Chang 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 1 Signature \_\_\_\_\_

Printed Name of Witness 1: \_\_\_\_\_

  
\_\_\_\_\_  
Inventor's Signature13 March 2007  
\_\_\_\_\_  
DATEInventor's Printed Name: John A. Toebes

**Witness statement:** On the date above personally came the above named John A. Toebes 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 1 Signature \_\_\_\_\_

Printed Name of Witness 1: Bonnie A. Humphreys