					
Form PTO-1595 (Rev. 03/01) RECOR	3 - 30 - 2004 U.S. DEPARTMENT OF COMMERCE U.S. Retent and Trademark Office				
OMB No. 0651-0027 (exp. 5/31/2002)	U.S. Patent and Trademark Office				
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To the honorable Commissioner of	02824437ginal documents or copy thereof.				
1. Name of conveying party(ies): John A. Toebes Wen-hsiung Chen Fang Wu Dov Rosenfeld	2. Name and address of receiving party(ies) Name: Cisco Technology, Inc. Internal Address:				
Additional name(s) of conveying party(ies) attached?					
3. Nature of conveyance:					
X Assignment Merger	Street Address: Mail Stop SJC 10/2/1				
Security Agreement Change of Name	170 W. Tasman Drive				
· Other					
Execution Date: August 18, 2004	City: San Jose State: CA Zip: 95134 Additional name(s) & address(es) Yes X 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: August 18, 2004				
A. Patent Application No.(s)	B. Patent No.(s)				
, , , , , , , , , , , , , , , , , , ,	`,'				
Additional numbers att	ached? Yes X No				
5. Name and address of party to whom correspondence					
concerning document should be mailed:	6. Total number of applications and patents 1 involved:				
Name: Dov Rosenfeld	7. Tatalina (07.0FB 2.41)				
Inventek	7. Total fee (37 CFR 3.41)				
Internal Address:	X Enclosed as Credit Card Charge Form				
	X Authorized to be charged to deposit account				
Street Address: 5507 College Avenue, Suite 2	Deposit account number:				
City: <u>Oakland</u> State: <u>CA</u> Zip: <u>94618</u>					
50-0292					
	(Attach duplicate copy of this page if paying by deposit account)				
	NOT USE THIS SPACE				
9. Statement and signature.	forms the printing and agree of any other had con-				
To the best of my knowledge and belief, the foregoing in Is a true copy of the original document.	formation is true and correct and any attached copy				
Dov Rosenfeld X	August 18, 2004 Signature Date				
Name of Person Signing Total number of pages including cover sheet					
	ecorded with required cover sheet information to:				
	oner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450				
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Assignment Page 1

Docket/Ref. No. CISCO-8985

Ref. No. CISCO-8985

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

TWO-DIMENSIONAL VARIABLE LENGTH CODING OF RUNS OF ZERO AND NON-ZERO TRANSFORM COEFFICIENTS FOR IMAGE COMPRESSION

Rosenfeld, 5507 College Avenue, Suite 2, Oakland, CA 94618, the specification of which is attached hereto 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

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.

18 August 2004

Witness 1 Signature Lileen M. Cusyck Printed Name of Witness 1: Eileen M. Cusyck

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Page 1 of 2

REEL: 015721 FRAME: 0591

Docket/Ref. No. CISCO-8985

Inventor's Signature	DATE
Inventor's Printed Name: Wen-hsiung C	<u>hen</u>
assignment before me/us. The above nam satisfactory evidence to be the same indiv	we personally came the above named <u>Wen-hitting Chen</u> and executed the foregoing and individual is personally known by me/us or proved to me/us on the basis of vidual who executed the foregoing assignment before me/us. The above named e/she executed the same of his/her own free will for the use and purposes therein
Witness 1 Signature	Printed Name of Witness 1:
Inventor's Signature	DATE
Inventor's Printed Name: Fang Wu	
assignment before me/us. The above nam satisfactory evidence to be the same indiv	ve personally came the above named <u>Fang Wu</u> and executed the foregoing ned individual is personally known by me/us or proved to me/us on the basis of vidual who executed the foregoing assignment before me/us. The above named e/she executed the same of his/her own free will for the use and purposes therein
Witness 1 Signature	Printed Name of Witness 1:
Inventor's Signature	DATE
Inventor's Printed Name: Dov Rosenfeld	<u>1</u>
assignment before me/us. The above name satisfactory evidence to be the same indiv	ve personally came the above named <u>Dov Rosenfeld</u> and executed the foregoing and individual is personally known by me/us or proved to me/us on the basis of widual who executed the foregoing assignment before me/us. The above named e/she executed the same of his/her own free will for the use and purposes therein
Witness 1 Signature	Printed Name of Witness 1:

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Assignment Page 1

Docket/Ref. No. CISCO-8985

Ref. No. CISCO-8985

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

TWO-DIMENSIONAL VARIABLE LENGTH CODING OF RUNS OF ZERO AND NON-ZERO TRANSFORM COEFFICIENTS FOR IMAGE COMPRESSION

We agree that, when requested, we will, without charge to said. Assignee but at its expense, sign all papers, take all rightful onths, 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 Assignce, 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 Assigned 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	DATE
inventor's Signature	DATE
Inventor's Printed Name: John A. Toebes	
assignment before me/us. The above named indi satisfactory evidence to be the same individual v	conally came the above named <u>John A. Toebes</u> and executed the foregoing ividual is personally known by me/us or proved to me/us on the basis of who executed the foregoing assignment before me/us. The above named xecuted the same of his/her own free will for the use and purposes therein
Witness I Signature	Printed Name of Witness I:
·	

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Page 1 of 2

Assignment Page 2

Witness 1 Signature __

Docket/Ref. No. CISCO-8985

Inventor's Printed Name: Wen-hairing Chen Witness statement: On the date above personally came the above named Wen-hsjung 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. Printed Name of Witness 1: RAMANATHAN T. JAGA DEESA Inventor's Signature Inventor's Printed Name / Fang Wu Witness statement: On the date above personally came the above named Fang Wu 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 Printed Name of Witness 1: Shih-chung Lin DATE Inventor's Signature Inventor's Printed Name: <u>Dov Rosenfeld</u> Witness statement: On the date above personally came the above named Dov Rosenfeld 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.

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Page 2 of 2

Printed Name of Witness 1: _

Ref. No. CISCO-8985

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 <u>Cisco Technology</u>, <u>Inc.</u>, a corporation organized under the laws of <u>California</u> 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

TWO-DIMENSIONAL VARIABLE LENGTH CODING OF RUNS OF ZERO AND NON-ZERO TRANSFORM COEFFICIENTS FOR IMAGE COMPRESSION

described in an application for Letters Patent of the United States, identified as Docket/Ref. No. <u>CISCO-8985</u>, at Dov Rosenfeld, 5507 College Avenue, Suite 2, Oakland, CA 94618, the specification of which is attached hereto 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.

	D.A. MET.
Inventor's Signature	DATE
Inventor's Printed Name: John A. Toeb	e <u>s</u>
assignment before me/us. The above na satisfactory evidence to be the same ind	ove personally came the above named <u>John A. Toebes</u> and executed the foregoing ned individual is personally known by me/us or proved to me/us on the basis of ividual who executed the foregoing assignment before me/us. The above named ne/she executed the same of his/her own free will for the use and purposes therein
Witness 1 Signature	Printed Name of Witness 1:

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Page 1 of 1

Inventor's Signature	DATE	
Inventor's Printed Name: Wen-hsiung	<u>hen</u>	
assignment before me/us. The above na satisfactory evidence to be the same ind	we personally came the above named <u>Wen-hsiung Chen</u> and executed the foregoined individual is personally known by me/us or proved to me/us on the basis of vidual who executed the foregoing assignment before me/us. The above named c/she executed the same of his/her own free will for the use and purposes therein	
Witness 1 Signature	Printed Name of Witness 1:	_
Inventor's Signature	DATE	
Inventor's Printed Name: Fang Wu		
assignment before me/us. The above na satisfactory evidence to be the same ind	we personally came the above named <u>Fang Wu</u> and executed the foregoing and individual is personally known by me/us or proved to me/us on the basis of yidual who executed the foregoing assignment before me/us. The above named e/she executed the same of his/her own free will for the use and purposes therein	
Witness 1 Signature	Printed Name of Witness 1:	_
Inventor's Printed Name: Dov Rosenfe	August 18,2004 DATE	
assignment before me/us. The above na satisfactory evidence to be the same ind	we personally came the above named <u>Dov Rosenfeld</u> and executed the foregoing and individual is personally known by me/us or proved to me/us on the basis of ridual who executed the foregoing assignment before me/us. The above named e/she executed the same of his/her own free will for the use and purposes therein	

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Printed Name of Witness 1: Amy Dovry

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Form PTO-1595 (Rev. 03/01) RECORDATION FOR	RM COV	ER SHEET			MENT OF COMMERCE
OMB No. 0651-0027 (exp. 5/31/2002) PATENT :	S ON	ILY		O.S. Faterii	and Trademark Office
Tab settings ⇔⇔⇔ ♦ ♦			r 1	,	S. P 50.
To the honorable Commissioner of Patents and Tra	ademarks:	Please record the atta	ched original docume	ents or copy thereof.	25.⊂
Name of conveying party(ies): John A. Toebes Wen-hsiung Chen Fang Wu Dov Rosenfeld			ddress of receiving Technology, In	c	17302
Additional name(s) of conveying party(ies) attached? Yes X No	}				
3. Nature of conveyance:					
X Assignment Merger		Oters of A Lile		10.101014	
Security Agreement Change of Name		Street Addre	ess: <u>Mail Stop S</u>	JC 10/2/1	
		<u>170 W. Tasm</u>	nan Drive		
Other	-	City: San Jos	seState: C/	AZip: <u>9513</u> 4	1
Execution Date: August 18, 2004		Additional name(s		Yes X N	
4. Application number(s) or patent number(s):	<u> </u>				
If this document is being filed together with a new application, the	executio	n date of the applic	ation is: <u>Augus</u>	t 18, 2004	
A. Patent Application No.(s)	В.	Patent No.(s)			
Additional numbers att	tached?	Yes X	No		
Name and address of party to whom correspondence concerning document should be mailed:					1
<u>-</u>	involve	al number of appl ed:	ications and pat	ents	
Name: Dov Rosenfeld	7 Tot	al fee (37 CFR 3.	41)	. \$40.00	
Inventek	7. 100	al lee (37 OFR 3.	41)	<u> </u>	
Internal Address:		Enclosed as C	redit Card Charg	ge Form	
		7 Authorized to h	oe charged to de	enacit account	
		Authorized to t	de charged to de	posit account	
Street Address: 5507 College Avenue, Suite 2	8. Der	oosit account nun	nber:		
City: Oakland State: CA Zip: 94618	50)-0292			
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	(Attach	duplicate copy of the	nis page if paying t	by deposit account)	
	NOT US	E THIS SPACE			
Statement and signature. To the best of my knowledge and belief, the foregoing in	formatio	n ie true and corr	act and any atte	ched conv	
Is a true copy of the original document.		The Gue and cone	ocano any allal	лоч сору	
Dov Rosenfeld	14		August 18, 2		_
Name of Person Signing Total number of pages including cover sheet,	Signat		Date	е	
rotal number of pages including cover sheet,	, anacimi	ema, and documen	^{ю.}		

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