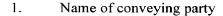


101749076

ASSIGNMENT RECORDATION COVER SHEET -PATENTS ONLY-

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.



Lowell Winger



2. Name and address of receiving party:

> a) Name:

Cisco Systems Video Networking Canada Corporation

Address: 180 Columbia Street West

Waterloo, Ontario, Canada, N2L 3L3

3.	Nature	of	conveyance
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\bowtie	Assignment
	Security Agreement
百	Other

Merger

Change of Name License Agreement

Execution Date: May 29, 2001

Application Number(s) or Patent Number(s): To Be Assigned 4.

The title of the (new) application is:

SOURCE ADAPTIVE SYSTEM AND METHOD FOR 2D iDCT

5. Please send all correspondence concerning this (these) documents to:

> Customer Number: 022434 BEYER WEAVER & THOMAS, LLP P.O. Box 778 Berkeley, CA 94704-0778 Phone (510) 843-6200 Fax (510) 843-6203

PATENT AND TRADEMARK OFFICE

6. Total number of applications and patents involved: 1

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

Enclosed

Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. CISCP249)

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.

Date: June 4, 2001

06/11/2001 HDENESS1 00000009 09874587

01 FC:581

Registration No. 31,314

Attorney Docket No. CISCP249/4147

(Revised 01/96)

PATENT REEL: 011883 FRAME: 0647

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set for in the patent application entitled:

SOURCE ADAPTIVE SYSTEM AND METHOD FOR 2D IDCT

(Atty. Docket No.: CISCP249/4147) for which I (we) have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to Cisco Systems Video Networking Canada Corporation, a Canadian corporation having a place of business at 180 Columbia Street West, Waterloo, Ontario, Canada, N2L 3L3, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, 3) perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

Signature: 1)

Typed Name:

Lowell Winger Date: June 1 2001

Attorney Docket No. CISCD2/0//1/7

RECORDED: 06/04/2001

PATENT REEL: 011883 FRAME: 0648