

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>David J. Mackie</td><td>10/29/2010</td></tr><tr><td>Dihong Tian</td><td>10/29/2010</td></tr><tr><td>Andrew P. Weir</td><td>11/17/2010</td></tr><tr><td>Maurice Buttimer</td><td>11/17/2010</td></tr><tr><td>Joseph T. Friel</td><td>11/19/2010</td></tr><tr><td>J. William Mauchly</td><td>11/12/2010</td></tr><tr><td>Wen-Hsiung Chen</td><td>11/03/2010</td></tr></tbody></table>		Name	Execution Date	David J. Mackie	10/29/2010	Dihong Tian	10/29/2010	Andrew P. Weir	11/17/2010	Maurice Buttimer	11/17/2010	Joseph T. Friel	11/19/2010	J. William Mauchly	11/12/2010	Wen-Hsiung Chen	11/03/2010
Name	Execution Date																
David J. Mackie	10/29/2010																
Dihong Tian	10/29/2010																
Andrew P. Weir	11/17/2010																
Maurice Buttimer	11/17/2010																
Joseph T. Friel	11/19/2010																
J. William Mauchly	11/12/2010																
Wen-Hsiung Chen	11/03/2010																
RECEIVING PARTY DATA																	
<table border="1"><tr><td>Name:</td><td>Cisco Technology, Inc.</td></tr><tr><td>Street Address:</td><td>170 West Tasman Drive</td></tr><tr><td>City:</td><td>San Jose</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>95134</td></tr></table>		Name:	Cisco Technology, Inc.	Street Address:	170 West Tasman Drive	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95134						
Name:	Cisco Technology, Inc.																
Street Address:	170 West Tasman Drive																
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>12950786</td></tr></tbody></table>		Property Type	Number	Application Number:	12950786												
Property Type	Number																
Application Number:	12950786																
CORRESPONDENCE DATA																	
Fax Number: (972)226-4837 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone: 214-823-1241																	
Email: roseanne.cisneros@patcapgroup.com																	
Correspondent Name: Patent Capital Group - Cisco																	
Address Line 1: 6119 McCommas Blvd.																	
Address Line 4: Dallas, TEXAS 75214																	
ATTORNEY DOCKET NUMBER:	03919.0216 (971130)																

501357898

PATENT  
REEL: 025392 FRAME: 0748

CH \$40.00 12950786

NAME OF SUBMITTER:

Thomas J. Frame

Total Attachments: 8

source=Assignment#page1.tif

source=Assignment#page2.tif

source=Assignment#page3.tif

source=Assignment#page4.tif

source=Assignment#page5.tif

source=Assignment#page6.tif

source=Assignment#page7.tif

source=Assignment#page8.tif

**ASSIGNMENT**

**WHEREAS**, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

**WHEREAS**, Cisco Technology, Inc. (hereinafter referred to as "Assignee"), a California Corporation, with an address of 170 West Tasman Drive, San Jose, California 95134, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

**NOW, THEREFORE**, for and in consideration of One United States Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefore, and all provisional, divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all provisional, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

ATTORNEY DOCKET NO.  
03919.0216 (971130)

ASSIGNMENT

2

Title of Invention: SYSTEM AND METHOD FOR PROVIDING ENHANCED  
VIDEO PROCESSING IN A NETWORK ENVIRONMENT

Full name of inventor: David J. Mackie

Inventor's signature:

David J. Mackie

Date:

10/29/10

Post Office Address:

38 N. Almaden Blvd., Unit 618  
San Jose, CA 95110

3

ATTORNEY DOCKET NO.  
03919.0216 (971130)

ASSIGNMENT

3


Title of Invention:

SYSTEM AND METHOD FOR PROVIDING ENHANCED  
VIDEO PROCESSING IN A NETWORK ENVIRONMENT

Full name of inventor:

Dihong Tian

Inventor's signature:

  
\_\_\_\_\_

Date:

29 Oct. 2010

Post Office Address:

2960 Tantallon Court  
San Jose, CA 95132

ATTORNEY DOCKET NO.  
03919.0216 (971130)

ASSIGNMENT

4

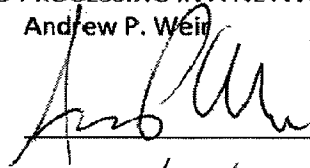
Title of Invention:

SYSTEM AND METHOD FOR PROVIDING ENHANCED  
VIDEO PROCESSING IN A NETWORK ENVIRONMENT

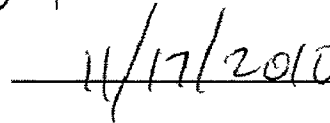
Full name of inventor:

Andrew P. Wein

Inventor's signature:

A handwritten signature in black ink, appearing to read "Andrew P. Wein", written over a horizontal line.

Date:

A handwritten date "11/17/2010" in black ink, written over a horizontal line.

Post Office Address:

152 Davis Road  
Malvern, PA 19355

ATTORNEY DOCKET NO.  
03919.0216 (971130)

ASSIGNMENT

5

Title of Invention:

SYSTEM AND METHOD FOR PROVIDING ENHANCED  
VIDEO PROCESSING IN A NETWORK ENVIRONMENT

Full name of inventor:

Maurice Buttimer

Inventor's signature:

Maurice Buttimer

Date:

11/17/2010

Post Office Address:

45 Street Road  
Newtown Square, PA 19073

ATTORNEY DOCKET NO.  
03919.0216 (971130)

ASSIGNMENT

6

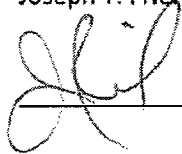
Title of Invention:

SYSTEM AND METHOD FOR PROVIDING ENHANCED  
VIDEO PROCESSING IN A NETWORK ENVIRONMENT

Full name of inventor:

Joseph T. Friel

Inventor's signature:



---

Date:

19 Nov 2016

---

Post Office Address:

310 Ardmore Avenue  
Ardmore, PA 19003



ATTORNEY DOCKET NO.  
03919.0216 (971130)

ASSIGNMENT

7

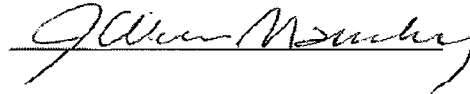
Title of Invention:

SYSTEM AND METHOD FOR PROVIDING ENHANCED  
VIDEO PROCESSING IN A NETWORK ENVIRONMENT

Full name of inventor:

J. William Mauchly

Inventor's signature:



Date:

12 - NOV - 10

Post Office Address:

199 Cassatt Road  
Berwyn, PA 19312

ATTORNEY DOCKET NO.  
03919.0216 (971130)

ASSIGNMENT

8

Title of Invention:

SYSTEM AND METHOD FOR PROVIDING ENHANCED  
VIDEO PROCESSING IN A NETWORK ENVIRONMENT

Full name of inventor:

Wen-Hsiung Chen

Inventor's signature:

Wen-Hsiung Chen

Date:

November 3, 2010

Post Office Address:

668 Inverness Way  
Sunnyvale, CA 94087