

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ray Chang	10/13/2004
Luan Dang	10/13/2004
RECEIVING PARTY DATA	
Name:	Cisco Technology, Inc.
Street Address:	170 W. Tasman Drive
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	10965593
CORRESPONDENCE DATA	
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Correspondent Name:	MacPherson Kwok Chen & Heid LLP
Address Line 1:	1762 Technology Drive
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Address Line 4:	San Jose, CALIFORNIA 95110
NAME OF SUBMITTER:	Jonathan W. Hallman
Total Attachments: 2 source=15377#page1.tif source=15377#page2.tif	

CH \$40.00 10965593

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PATENT  
REEL: 015346 FRAME: 0359

**ASSIGNMENT**

For good and valuable consideration, receipt of which is hereby acknowledged, we

Ray Chang of Irvine, California  
Luan Dang of Newport Beach, California

hereby sell, assign and transfer to **Cisco Technology, Inc.**, a California corporation, having a place of business at 170 W. Tasman Drive, San Jose, CA 95134, its successors and assigns, the entire right, title and interest throughout the world in our invention in

**UPSTREAM BANDWIDTH ESTIMATION**

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

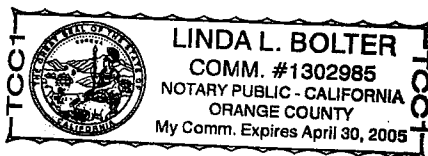
Executed this 13<sup>th</sup> day of October, 2004.

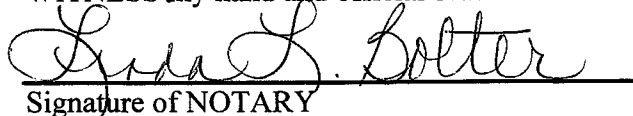
  
Ray Chang

State of CALIFORNIA )  
County of Orange ) ss

On October 13, 2004, before me, Linda L. Bolter personally appeared RAY CHANG personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



  
Signature of NOTARY

Executed this 13<sup>th</sup> day of October, 2004.

Luan Dang  
Luan Dang

State of CALIFORNIA )  
County of Orange ) ss

On October 13, 2004, before me, Linda L. Bolter personally appeared LUAN DANG personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Linda L. Bolter  
Signature of NOTARY

