

## PATENT ASSIGNMENT

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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>Maurilio Tazio De Nicolo</td><td>04/09/2001</td></tr><tr><td>James Molenda</td><td>04/09/2001</td></tr><tr><td>Karl Nakamura</td><td>04/09/2001</td></tr><tr><td>Roger Karam</td><td>04/09/2001</td></tr></tbody></table>	Name	Execution Date	Maurilio Tazio De Nicolo	04/09/2001	James Molenda	04/09/2001	Karl Nakamura	04/09/2001	Roger Karam	04/09/2001	
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RECEIVING PARTY DATA											
Name:	Cisco Technology, Inc.										
Street Address:	170 West Tasman Drive										
City:	San Jose										
State/Country:	CALIFORNIA										
Postal Code:	95134-1706										
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>12264145</td></tr></tbody></table>	Property Type	Number	Application Number:	12264145							
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Application Number:	12264145										
CORRESPONDENCE DATA											
Fax Number:	(508)366-4688										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	508-616-2900										
Email:	docket@bainwoodhuang.com										
Correspondent Name:	David E. Huang, Esq.										
Address Line 1:	Bainwood, Huang & Associates, LLC										
Address Line 2:	2 Connector Road										
Address Line 4:	Westborough, MASSACHUSETTS 01581										
ATTORNEY DOCKET NUMBER:	1004-256.001										
NAME OF SUBMITTER:	David E. Huang, Esq.										
Total Attachments: 1											

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PATENT  
REEL: 021939 FRAME: 0868



**ASSIGNMENT**

WHEREAS, we, Maurilio Tazio De Nicolo, a citizen of the United States of America, residing at 14171 Teerlink Way, Saratoga, CA 95070, James Molenda, a citizen of the United States of America, residing at 195 Burlwood Drive, Los Gatos, CA 95033-8027, Karl Nakamura, a citizen of the United States of America, residing at 170 West Tasman Drive, San Jose, CA 95134, and Roger Karam, a citizen of the United States of America, residing at 1259 Vicente Drive #120, Sunnyvale, CA 94086, have invented a **"UNPOWERED TWISTED PAIR LOOPBACK CIRCUIT FOR DIFFERENTIAL MODE SIGNALING"** for which we have executed application papers for a U.S. patent thereon which was filed on November 29, 2000, Serial No. 09/727,111.

WHEREAS, Cisco Technology, Inc., a California corporation, having a place of business located at 170 West Tasman Drive, San Jose, CA 95134, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Maurilio Tazio De Nicolo, James Molenda, Karl Nakamura and Roger Karam, do sell, assign, transfer and set over unto the said Cisco Technology, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Cisco Technology, Inc, its successors and assigns, in accordance with this Assignment.

WITNESS MY HAND at San Jose, California, this 9 day of April, 2001.

Maurilio Tazio De Nicolo  
Maurilio Tazio De Nicolo  
Karl S Nakamura  
Karl Nakamura

James Molenda  
James Molenda  
Roger Karam  
Roger Karam

STATE OF CALIFORNIA )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2001, before me, \_\_\_\_\_, a Notary Public, personally appeared Maurilio Tazio De Nicolo, James Molenda, Karl Nakamura and Roger Karam, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person/s whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacities, 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.

\_\_\_\_\_  
NOTARY PUBLIC

**PATENT**

**RECORDED: 12/08/2008**

**REEL: 021939 FRAME: 0870**