

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the omission of the date on the previously submitted Assignment document previously recorded on Reel 020777 Frame 0426. Assignor(s) hereby confirms the assignment.

**CONVEYING PARTY DATA**

Name	Execution Date
Kevin L. Sweeney	04/08/2008
Michael R. Keur	04/08/2008
Timothy Hart	04/08/2008
Peter Maton	04/08/2008

**RECEIVING PARTY DATA**

<b>Name:</b>	Cisco Technology, Inc.
<b>Street Address:</b>	170 West Tasman Drive
<b>City:</b>	San Jose
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95134-1706

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12099965

**CORRESPONDENCE DATA**

Fax Number: (301)762-4056  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 301-424-3640  
 Email: pav@usiplaw.com  
 Correspondent Name: D. Andrew Floam  
 Address Line 1: 1901 Research Boulevard  
 Address Line 2: Suite 400  
 Address Line 4: Rockville, MARYLAND 20850

<b>ATTORNEY DOCKET NUMBER:</b>	2070.0015C
<b>NAME OF SUBMITTER:</b>	D. Andrew Floam

**PATENT**

**OP \$40.00 12099965**

Total Attachments: 7

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D:D. ANDREW FLOAM COMPANY:1901 RESEARCH BOULEVARD

## PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.104/09/2008  
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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>Kevin L. Sweeney</td> <td>04/08/2008</td> </tr> <tr> <td>Michael R. Keur</td> <td>04/08/2008</td> </tr> <tr> <td>Timothy Hart</td> <td>04/08/2008</td> </tr> <tr> <td>Peter Maton</td> <td>04/08/2008</td> </tr> </tbody> </table>		Name	Execution Date	Kevin L. Sweeney	04/08/2008	Michael R. Keur	04/08/2008	Timothy Hart	04/08/2008	Peter Maton	04/08/2008
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Total Attachments: 5											

OP \$40.00 12099965

D:\D. ANDREW FLOAM COMPANY\1901 RESEARCH BOULEVARD

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**ASSIGNMENT**

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors "Assignor"), 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., ("Assignee") a California corporation having an address of 170 West Tasman Drive, San Jose, California 95134-1706, desires to acquire all right, title, and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

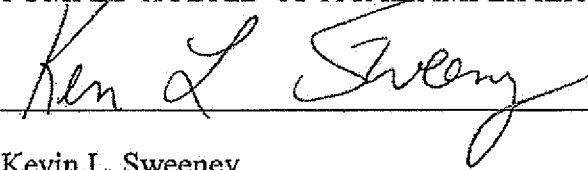
NOW, THEREFORE, for and in consideration of One United States Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefore, and all 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 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.

Title of the Invention: ERBIUM AND ERBIUM/YTTERBIUM CLADDING  
PUMPED HYBRID OPTICAL AMPLIFIER

Signature of Inventor: 

Inventor's Name: Kevin L. Sweeney

Residence (City, State): Naperville, Illinois

Post Office Address: 2624 Midland Drive, Naperville, IL 60564

Citizenship: US

Date: April 8, 2008

Title of the Invention:

ERBIUM AND ERBIUM/YTTERBIUM CLADDING  
PUMPED HYBRID OPTICAL AMPLIFIER

Signature of Inventor:

Michael R. Keur

Inventor's Name:

Michael R. Keur

Residence (City, State):

Glenview, Illinois

Post Office Address:

1335 Greenwillow Lane #3C, Glenview, IL 60025

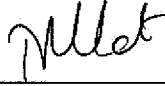
Citizenship:

US

Date:

4/8/08

Title of the Invention: ERBIUM AND ERBIUM/YTTERBIUM CLADDING  
PUMPED HYBRID OPTICAL AMPLIFIER

Signature of Inventor: 

Inventor's Name: Timothy Hart

Residence (City, State): Southampton, United Kingdom

Post Office Address: 5, Pirrie Close, Shirley, Southampton SO15 7QA, UK

Citizenship: UK

Date: 8th April 2008



Title of the Invention: ERBIUM AND ERBIUM/YTTERBIUM CLADDING  
PUMPED HYBRID OPTICAL AMPLIFIER

Signature of Inventor: P Maton

Inventor's Name: Peter Maton

Residence (City, State): Southampton, United Kingdom

Post Office Address: Flat 22, 140 West End Road, Southampton SO18 6PA, UK

Citizenship: UK

Date: 8/04/08