

PATENT ASSIGNMENT

Electronic Version v1.1
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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>John T. Chapman</td> <td>09/07/2012</td> </tr> <tr> <td>Sangeeta Ramakrishnan</td> <td>09/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	John T. Chapman	09/07/2012	Sangeeta Ramakrishnan	09/10/2012				
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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>95134-1706</td> </tr> </table>		Name:	Cisco Technology, Inc.	Street Address:	170 West Tasman Drive	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95134-1706
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CORRESPONDENCE DATA											
<p>Fax Number: 3017624056 Phone: 301-424-3640 Email: mail@usiplaw.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Lawrence D. Eisen Address Line 1: 1901 Research Boulevard Address Line 2: Suite 400 Address Line 4: Rockville, MARYLAND 20850</p>											
ATTORNEY DOCKET NUMBER:	0370.1318C (979088)										
NAME OF SUBMITTER:	Lawrence D. Eisen										
Total Attachments: 2 source=ExecutedAssn#page1.tif source=ExecutedAssn#page2.tif											

OP \$40.00 13611062

ASSIGNMENT

For good and valuable consideration, WE, John T. Chapman, a citizen of the United States of America, residing at 27615 Daisyfield Drive, Laguna Niguel, CA 92677; and Sangeeta Ramakrishnan, a citizen of the United States of America, residing at 14490 Oak Place, Saratoga, CA 95070; hereinafter individually or collectively referred to as "Assignor";

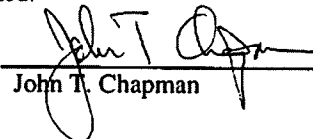
Hereby sell, assign and transfer to **Cisco Technology, Inc.**, a corporation organized and existing under the laws of California, having its principal place of business at 170 West Tasman Drive, San Jose, California 95134-1706, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

entitled: **MODULAR HEADEND ARCHITECTURE WITH DOWNSTREAM MULTICAST**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE: 
John T. Chapman

DATE: Sept 7, 2012

SIGNATURE: _____
Sangeeta Ramakrishnan

DATE: _____

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John T. Chapman

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Sangeeta Ramakrishnan