

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>Hemant Singh</td> <td>12/15/2011</td> </tr> <tr> <td>William Beebee</td> <td>12/13/2011</td> </tr> <tr> <td>Madhu Sudan</td> <td>12/12/2011</td> </tr> <tr> <td>Chad Mikkelsen</td> <td>12/15/2011</td> </tr> </tbody> </table>		Name	Execution Date	Hemant Singh	12/15/2011	William Beebee	12/13/2011	Madhu Sudan	12/12/2011	Chad Mikkelsen	12/15/2011
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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</td> </tr> </table>		Name:	Cisco Technology, Inc.	Street Address:	170 West Tasman Drive	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95134
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: (972)226-4837 Phone: 214-823-1241 Email: roseanne.cisneros@patcapgroup.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: Patent Capital Group - Cisco Address Line 1: 2816 Lago Vista Lane Address Line 4: Rockwall, TEXAS 75032											
ATTORNEY DOCKET NUMBER:	03919.0410 (973280)										
NAME OF SUBMITTER:	Thomas J. Frame										
Total Attachments: 5											

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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.
03919.0410 (973280)

ASSIGNMENT

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Title of Invention: SYSTEM AND METHOD FOR RECOVERY OF CUSTOMER
PREMISE EQUIPMENT INFORMATION ON AN ACCESS
CONCENTRATOR

Full name of inventor: Hemant Singh

Inventor Signature:

Hemant Singh

Date:

12-15-2011

Post Office Address:

7 Caldwell Drive
Westford, MA 01886

ATTORNEY DOCKET NO.
03919.0410 (973280)

ASSIGNMENT

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Title of Invention:

SYSTEM AND METHOD FOR RECOVERY OF CUSTOMER
PREMISE EQUIPMENT INFORMATION ON AN ACCESS
CONCENTRATOR

Full name of inventor:

William Beebe

Inventor Signature:

(Wes) William D Beebe, Jr.

Date:

12/13/2011

Post Office Address:

360 1st Street
Lowell, MA 01350

ATTORNEY DOCKET NO.
03919.0410 (973280)

ASSIGNMENT

4

Title of Invention: SYSTEM AND METHOD FOR RECOVERY OF CUSTOMER
PREMISE EQUIPMENT INFORMATION ON AN ACCESS
CONCENTRATOR

Full name of inventor: Madhu Sudan

Inventor Signature:

Madhu Sudan.

Date:

12/12/11

Post Office Address:

733 Ashton Oaks Way
San Jose, CA 95138

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03919.0410 (973280)

ASSIGNMENT

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Title of Invention: SYSTEM AND METHOD FOR RECOVERY OF CUSTOMER
PREMISE EQUIPMENT INFORMATION ON AN ACCESS
CONCENTRATOR

Full name of inventor:

Chad Mikkelsen

Inventor's signature:



Date:

12-15-2011

Post Office Address:

82 Grandview Road
Arlington, MA 02476