

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>Jean-Philippe Vasseur</td> <td>02/23/2012</td> </tr> <tr> <td>Gilman Tolle</td> <td>02/27/2012</td> </tr> <tr> <td>Sumit Rangwala</td> <td>02/21/2012</td> </tr> <tr> <td>Philip Buonadonna</td> <td>03/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jean-Philippe Vasseur	02/23/2012	Gilman Tolle	02/27/2012	Sumit Rangwala	02/21/2012	Philip Buonadonna	03/27/2012
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Philip Buonadonna	03/27/2012										
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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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13407243</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13407243						
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CORRESPONDENCE DATA											
<p>Fax Number: (866)204-4456</p> <p>Phone: 617 239-0100</p> <p>Email: patent@edwardswildman.com</p> <p><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: EDWARDS WILDMAN PALMER LLP</p> <p>Address Line 1: P.O. BOX 55874</p> <p>Address Line 4: BOSTON, MASSACHUSETTS 02205</p>											
ATTORNEY DOCKET NUMBER:	89885(310124)										
NAME OF SUBMITTER:	James M. Behmke										
Total Attachments: 12											

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Jean-Philippe Vasseur; Gilman Tolle; Sumit Rangwala; and Phil Buonadonna (hereinafter referred to as Assignors), residing at 931 Route de Chamrousse, 38410 Saint Martin d'Uriage, FRANCE; 3954 17th Street, Apartment A, San Francisco, California 94114; 1401 Red Hawk Circle - J306, Fremont, California 94538; and 430 Castro Street, Apartment 1, San Francisco, California 94114, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in HIERARCHICAL SCHEMA TO PROVIDE AN AGGREGATED VIEW OF DEVICE CAPABILITIES IN A NETWORK, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, Cisco Technology, Inc., a Corporation organized under and pursuant to the laws of California having its principal place of business at 170 West Tasman Drive, San Jose, California 95134 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full

end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

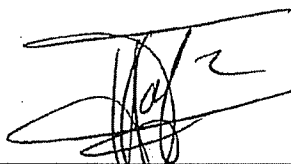
EDWARDS WILDMAN PALMER LLP

All practitioners at Customer Number 21874

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 02/23/2012

Signature:



Jean-Philippe Vasseur

Date: _____

Signature: _____

Gilman Tolle

Date: _____

Signature: _____

Sumit Rangwala

Date: _____

Signature: _____

Phil Buonadonna

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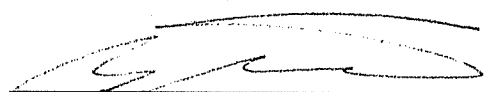
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Date: _____

Signature: _____
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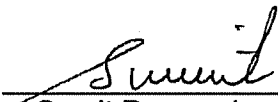
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Date: _____ Signature: _____
Jean-Philippe Vasseur

Date: _____ Signature: _____
Gilman Tolle

Date: _____ Signature: _____
Sumit Rangwala

Date: 3/27/2012 Signature: 
Philip Buonadonna