

## 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>Debojyoti Dutta</td> <td>04/24/2012</td> </tr> <tr> <td>Subrata Banerjee</td> <td>03/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Debojyoti Dutta	04/24/2012	Subrata Banerjee	03/25/2012
Name	Execution Date						
Debojyoti Dutta	04/24/2012						
Subrata Banerjee	03/25/2012						
RECEIVING PARTY DATA							
Name:	Cisco Technology, Inc.						
Street Address:	170 West Tasman Drive						
City:	San Jose						
State/Country:	CALIFORNIA						
Postal Code:	95134						
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>13455828</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13455828		
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Application Number:	13455828						
CORRESPONDENCE DATA							
Fax Number:	(866)204-4456						
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Email:	patent@edwardswildman.com						
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ATTORNEY DOCKET NUMBER:	89587(310124)						
NAME OF SUBMITTER:	James M. Behmke						
Total Attachments: 6 source=Assignment_Filed#page1.tif source=Assignment_Filed#page2.tif source=Assignment_Filed#page3.tif source=Assignment_Filed#page4.tif source=Assignment_Filed#page5.tif source=Assignment_Filed#page6.tif							

CH \$40.00 13455828

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this 24<sup>th</sup> day of April, 2012, by Debojyoti Dutta and Subrata Banerjee (hereinafter referred to as Assignors), residing at 240 Rodonovan Drive, Santa Clara, California 95051; and 125 Mountain View Avenue, Los Altos, California 94024, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in A GENERALIZED COORDINATE SYSTEM AND METRIC-BASED RESOURCE SELECTION FRAMEWORK, 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

**PATENT**

**REEL: 028106 FRAME: 0615**

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  
recording 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: 27<sup>th</sup> APRIL 2012 Signature:   
Debejyoti Dutta

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Subrata Banerjee

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this 25 day of March, 2012,  
by Debojyoti Dutta and Subrata Banerjee (hereinafter referred to as Assignors),  
residing at 240 Rodonovan Drive, Santa Clara, California 95051; and 125 Mountain  
View Avenue, Los Altos, California 94024, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements  
in A GENERALIZED COORDINATE SYSTEM AND METRIC-BASED RESOURCE  
SELECTION FRAMEWORK, set forth in a Patent application for Letters Patent of the  
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**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.

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recording 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: \_\_\_\_\_

Signature: \_\_\_\_\_  
Debojyoti Dutta

Date: 3/25/2012

Signature:   
Subrata Banerjee