

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>Phanidhar Koganti</td> <td>02/02/2012</td> </tr> <tr> <td>Anoop Ghanwani</td> <td>01/05/2012</td> </tr> <tr> <td>Suresh Vobbilisetty</td> <td>02/01/2012</td> </tr> <tr> <td>Rajiv Krishnamurthy</td> <td>02/01/2012</td> </tr> <tr> <td>Nagarajan Venkatesan</td> <td>02/01/2012</td> </tr> <tr> <td>Shunjia Yu</td> <td>02/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Phanidhar Koganti	02/02/2012	Anoop Ghanwani	01/05/2012	Suresh Vobbilisetty	02/01/2012	Rajiv Krishnamurthy	02/01/2012	Nagarajan Venkatesan	02/01/2012	Shunjia Yu	02/01/2012
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<table border="1"> <tr> <td>Name:</td> <td>Brocade Communications Systems, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>130 Holger Way</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:	Brocade Communications Systems, Inc.	Street Address:	130 Holger Way	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>13312903</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13312903										
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CORRESPONDENCE DATA															
<p>Fax Number: (530)759-1665 Phone: 530-759-1667 Email: caroline@parklegal.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: Shun Yao Address Line 1: Park, Vaughan, Fleming & Dowler LLP Address Line 2: 2820 Fifth Street Address Line 4: Davis, CALIFORNIA 95618</p>															
ATTORNEY DOCKET NUMBER:	BRCD-3093.1.US.NP														

OP \$40.00 13312903

NAME OF SUBMITTER:

Shun Yao, Reg. No. 59242

Total Attachments: 9

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to BROCADE COMMUNICATIONS SYSTEMS, INC., a Delaware corporation, having a place of business at 130 Holger Way, San Jose, California 95134 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the application for United States Letters Patent entitled: LAYER-3 SUPPORT IN TRILL NETWORKS ("APPLICATION"), which was filed on __06 December 2011__, now bearing U.S. Serial Number _13/312,903_____ and for which a Declaration was executed by INVENTOR on _02 February 2012_____; and the entire worldwide right, title, and interest in and to (a) the APPLICATION, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States and in any other countries in the world; and (c) patents which may be granted on the applications set forth in (a) and (b) above.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

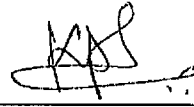
INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles, and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR hereby authorizes and requests Park, Vaughan, Fleming & Dowler LLP, 2820 Fifth Street, Davis, CA 95618, James E. Parsons, or Brandon Hsieh to insert herein above the application number and filing date and/or execution date of said application when known.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Executed this 02 day of February 2012,



Phanidhar Koganti

SIGNATURE WITNESSED BY: _____

Dated: _____

Signature of Witness

Printed Name

Executed this ____ day of _____,

Anoop Ghanwani

SIGNATURE WITNESSED BY: _____

Dated: _____

Signature of Witness

Printed Name

Executed this ____ day of _____,

Suresh Vobbilisetty

SIGNATURE WITNESSED BY: _____

Dated: _____

Signature of Witness

Printed Name

Executed this ____ day of _____,

Rajiv Krishnamurthy

SIGNATURE WITNESSED BY: _____

Dated: _____

Signature of Witness

Printed Name

Executed this ____ day of _____, _____
Nagarajan Venkatesan

SIGNATURE WITNESSED BY: _____ Dated: _____
Signature of Witness

Printed Name

Executed this ____ day of _____, _____
Shunjia Yu

SIGNATURE WITNESSED BY: _____ Dated: _____
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Executed this ____ day of _____, _____
Phanidhar Koganti

SIGNATURE WITNESSED BY: _____ Dated: _____
Signature of Witness

Printed Name

Executed this 5 day of January, 2012 Anoop Granwali
Anoop Granwali

SIGNATURE WITNESSED BY: _____ Dated: _____
Signature of Witness

Printed Name

Executed this ____ day of _____, _____
Suresh Vobbilisetty

SIGNATURE WITNESSED BY: _____ Dated: _____
Signature of Witness

Printed Name

Executed this ____ day of _____, _____
Rajiv Krishnamurthy

SIGNATURE WITNESSED BY: _____ Dated: _____
Signature of Witness

Printed Name

Executed this ____ day of _____, _____
Nagarajan Venkatesan

SIGNATURE WITNESSED BY: _____ Dated: _____
Signature of Witness

Printed Name

Executed this ____ day of _____, _____
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Executed this _____ day of _____, _____
Phanidhar Koganti

SIGNATURE WITNESSED BY: _____ Dated: _____
Signature of Witness

Printed Name

Executed this _____ day of _____, _____
Anoop Ghanwani

SIGNATURE WITNESSED BY: _____ Dated: _____
Signature of Witness

Printed Name

Executed this 1 day of Feb, 2012, _____
Suresh Vobbilisetty

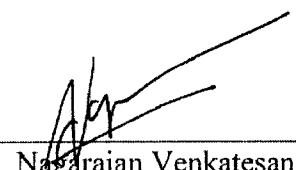
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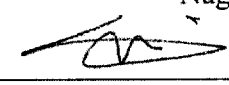
Printed Name

Executed this 1 day of FEB 2012, _____
Rajiv Krishnamurthy

SIGNATURE WITNESSED BY: _____ Dated: 2/1/2012
Signature of Witness

Shunjia yu
Printed Name


Executed this 01 day of FEB 2012, 
Nagarajan Venkatesan

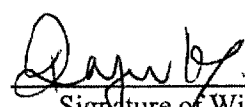
SIGNATURE WITNESSED BY:  Dated: 2/1/2012

Signature of Witness

Shunja Yu

Printed Name

Executed this 1st day of Feb 2012, 
Shunja Yu

SIGNATURE WITNESSED BY:  Dated: 2/1/2012

Signature of Witness

RAJIN KRISHNAMURTHY

Printed Name