

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2643022

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>SURESH VOBBILISSETTY</td> <td>10/31/2013</td> </tr> <tr> <td>PHANIDHAR KOGANTI</td> <td>10/03/2013</td> </tr> <tr> <td>CHI LUNG CHONG</td> <td>08/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	SURESH VOBBILISSETTY	10/31/2013	PHANIDHAR KOGANTI	10/03/2013	CHI LUNG CHONG	08/14/2013
Name	Execution Date								
SURESH VOBBILISSETTY	10/31/2013								
PHANIDHAR KOGANTI	10/03/2013								
CHI LUNG CHONG	08/14/2013								
RECEIVING PARTY DATA									
Name:	BROCADE COMMUNICATIONS SYSTEMS, INC.								
Street Address:	130 HOLGER WAY								
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>13971397</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13971397				
Property Type	Number								
Application Number:	13971397								
CORRESPONDENCE DATA									
Fax Number:	(530)204-4064								
Phone:	530-759-1667								
Email:	syadmin@parklegal.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	SHUN YAO								
Address Line 1:	PARK, VAUGHAN, FLEMING & DOWLER LLP								
Address Line 2:	2820 FIFTH STREET								
Address Line 4:	DAVIS, CALIFORNIA 95618								
ATTORNEY DOCKET NUMBER:	BRCD-3159.1.US.NP								
NAME OF SUBMITTER:	SHUN YAO, REG. NO. 59242								
Signature:	/Shun Yao/								

Date:

12/09/2013

**Total Attachments: 6**

source=BRCD-3159.1.US NP Signed Assignment#page1.tif

source=BRCD-3159.1.US NP Signed Assignment#page2.tif

source=BRCD-3159.1.US NP Signed Assignment#page3.tif

source=BRCD-3159.1.US NP Signed Assignment#page4.tif

source=BRCD-3159.1.US NP Signed Assignment#page5.tif

source=BRCD-3159.1.US NP Signed Assignment#page6.tif

## 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: GLOBAL VLANS FOR FABRIC SWITCHES ("APPLICATION"), which was filed on 20 August 2013, now bearing U.S. Serial Number 13/971,397 and for which a Declaration was executed by INVENTOR on 14 August 2013, 3 October 2013, and 31 October 2013; 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.

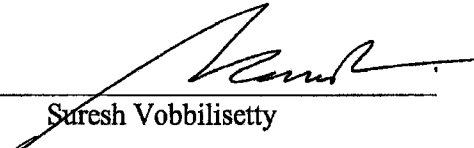
INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

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 31 day of October 2013,   
Suresh Vobbilisetty

SIGNATURE WITNESSED BY: \_\_\_\_\_ Dated: \_\_\_\_\_  
Signature of Witness  
\_\_\_\_\_  
Printed Name

Executed this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
Phanidhar Koganti

SIGNATURE WITNESSED BY: \_\_\_\_\_ Dated: \_\_\_\_\_  
Signature of Witness  
\_\_\_\_\_  
Printed Name

Executed this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
Chi Lung Chong

SIGNATURE WITNESSED BY: \_\_\_\_\_ Dated: \_\_\_\_\_  
Signature of Witness  
\_\_\_\_\_  
Printed Name

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: GLOBAL VLANS FOR FABRIC SWITCHES ("APPLICATION"), which was filed on 20 August 2013, now bearing U.S. Serial Number 13/971,397 and for which a Declaration was executed by INVENTOR on 14 August 2013, 3 October 2013, and 31 October 2013; 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 \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
Suresh Vobbilisetty

SIGNATURE WITNESSED BY: \_\_\_\_\_ Dated: \_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Printed Name

Executed this 3<sup>rd</sup> day of October 2013, \_\_\_\_\_  
Phanidhar Koganti

SIGNATURE WITNESSED BY: \_\_\_\_\_ Dated: \_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Printed Name

Executed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
Chi Lung Chong

SIGNATURE WITNESSED BY: \_\_\_\_\_ Dated: \_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Printed Name

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: GLOBAL VLANS FOR FABRIC SWITCHES ("APPLICATION"), which was filed on 20 August 2013, now bearing U.S. Serial Number 13/971,397 and for which a Declaration was executed by INVENTOR on 14 August 2013, 3 October 2013, and 31 October 2013; 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 \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
Suresh Vobbilisetty

SIGNATURE WITNESSED BY: \_\_\_\_\_ Dated: \_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Printed Name

Executed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
Phanidhar Koganti

SIGNATURE WITNESSED BY: \_\_\_\_\_ Dated: \_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Printed Name

Executed this 14 day of August 2013, \_\_\_\_\_  
*Chi Lung Chong*  
Chi Lung Chong

SIGNATURE WITNESSED BY: \_\_\_\_\_ Dated: \_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Printed Name