

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PRABU THAYALAN	01/09/2014
GANESH D. VENKATA	01/07/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BROCADE COMMUNICATIONS SYSTEMS, INC.
<b>Street Address:</b>	130 HOLGER WAY
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95134
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14151693
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(530)204-4064
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	530-759-1667
<b>Email:</b>	syadmin@parklegal.com
<b>Correspondent Name:</b>	SHUN YAO
<b>Address Line 1:</b>	PARK, VAUGHAN, FLEMING & DOWLER LLP
<b>Address Line 2:</b>	2820 FIFTH STREET
<b>Address Line 4:</b>	DAVIS, CALIFORNIA 95618
<b>ATTORNEY DOCKET NUMBER:</b>	BRCD-3192.1.US.NP
<b>NAME OF SUBMITTER:</b>	SHUN YAO, REG NO. 59242
<b>SIGNATURE:</b>	/Shun Yao/
<b>DATE SIGNED:</b>	04/09/2014
<b>Total Attachments: 4</b>	
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source=BRCD-3192.1.US.NP Signed Assignment#page4.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: PROTECTION SWITCHING OVER A VIRTUAL LINK AGGREGATION ("APPLICATION"), which was filed on 01/09/2014, now bearing U.S. Serial Number 14/151693 and for which a Declaration was executed by INVENTOR on 01/07/2014; 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.

Attorney Docket No. BRCD-3192.1.US.NP

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 9<sup>th</sup> day of JANUARY 2014, Prabu  
Prabu Thayalan

SIGNATURE WITNESSED BY: Shivalingayya Chikkamath Dated: 9 JAN 2014  
Signature of Witness

SHIVALINGAYYA CHIKKAMATH  
Printed Name

Executed this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
Ganesh D. Venkata

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

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

Attorney Docket No. BRCD-3192.1.US.NP

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Attorney Docket No. BRCD-3192.1.US.NP

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 \_\_\_\_\_, \_\_\_\_\_  
Prabu Thayalan

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

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

Executed this 07 day of Jan 2014, \_\_\_\_\_  
Ganesh D Venkata

SIGNATURE WITNESSED BY: \_\_\_\_\_ Dated: 01/07/2014  
Signature of Witness

KRISHNA K R JONNALA  
Printed Name