

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Meenakshi Garg</td> <td>04/05/2013</td> </tr> <tr> <td>Venugopal Tummala</td> <td>04/06/2013</td> </tr> <tr> <td>Gin Man Cheung</td> <td>04/03/2013</td> </tr> <tr> <td>Raymond Grigsby</td> <td>05/30/2013</td> </tr> <tr> <td>Balakrishna Wusirika</td> <td>04/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	Meenakshi Garg	04/05/2013	Venugopal Tummala	04/06/2013	Gin Man Cheung	04/03/2013	Raymond Grigsby	05/30/2013	Balakrishna Wusirika	04/03/2013
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Balakrishna Wusirika	04/03/2013												
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>13789519</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13789519								
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CORRESPONDENCE DATA													
Fax Number:	8324462424												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	832-446-2400												
Email:	WCPatent@counselip.com, acollins@counselip.com												
Correspondent Name:	WONG, CABELLO, LUTSCH, RUTHERFORD &												
Address Line 1:	20333 Tomball Parkway, 6th Floor												
Address Line 4:	Houston, TEXAS 77070												
ATTORNEY DOCKET NUMBER:	112-0708US												
NAME OF SUBMITTER:	Keith Lutsch												
Signature:	/Keith Lutsch/												

CH \$40.00 13789519

Date:	06/12/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p>Total Attachments: 10 source=Signed_112_0708US_Dec_Assignment_Garg#page1.tif source=Signed_112_0708US_Dec_Assignment_Garg#page2.tif source=Signed_112_0708US_Dec_Assignment_Tummala#page1.tif source=Signed_112_0708US_Dec_Assignment_Tummala#page2.tif source=Signed_112_0708US_Dec_Assignment_Cheung#page1.tif source=Signed_112_0708US_Dec_Assignment_Cheung#page2.tif source=Signed_112_0708US_Dec_Assignment_Grigsby#page1.tif source=Signed_112_0708US_Dec_Assignment_Grigsby#page2.tif source=Signed_112_0708US_Dec_Assignment_Wusirika pt 1#page1.tif source=Signed_112_0708US_Dec_Assignment_Wusirika pt 1#page2.tif</p>	

**COMBINED DECLARATION AND ASSIGNMENT
FOR A UTILITY OR DESIGN PATENT APPLICATION
USING AN APPLICATION DATA SHEET**

DECLARATION:

As the below named inventor, I hereby declare that:

- the attached application, entitled "DIAGNOSTIC PORT FOR INTER-SWITCH AND NODE LINK TESTING IN ELECTRICAL, OPTICAL AND REMOTE LOOPBACK MODES", or
- United States application or PCT international application number 13/789,519 filed on March 7, 2013,

was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified patent application.

I have reviewed and understand the contents of the above-identified patent application, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the claims in the above-identified patent application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT:

I, for valuable consideration received, do hereby assign to Brocade Communications Systems, Inc. ("Assignee"), having a place of business at 130 Holger Way, San Jose, CA 95134, my entire worldwide right, title, and interest in all inventions disclosed or claimed in the above-referenced patent application, and improvements thereof, including all inventions or improvements which have been or might be disclosed or claimed in a divisional, continuation, continuation-in-part, substitute, provisional, non-provisional, renewal, reissue, or other patent application based off of or claiming priority to the above-identified patent application.

I further:

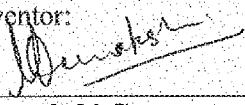
authorize and request that any United States or foreign patents based on the rights assigned herein be issued in the name of the Assignee;

warrant that no assignment, grant, mortgage, license or other agreement affecting the rights assigned herein has been or will be made to others, and that I possess authority to assign these rights, except to the extent that I have already assigned

my rights to the Assignee, in which case this present assignment should merely be understood as confirmatory of my assignment to the Assignee; and

agree when requested and at the expense of the Assignee, to: carry out in good faith the intent and purpose of this assignment; to execute all oaths, declarations, assignments, powers of attorney and other papers necessary to perfect and vest title to the rights hereby assigned to the Assignee; and generally to do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing patent protection of the rights hereby assigned.

Inventor:



Meenakshi Garg

5-APR-2013

Date

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Inventor:

Venugopal T

Venugopal Tummala

04 - APRIL - 2013

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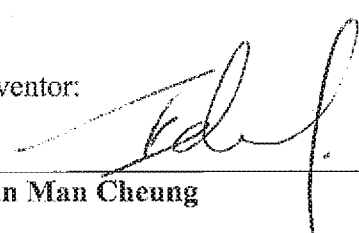
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Inventor:


Gin Man Cheung

4-3-2013
Date

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Inventor:


Raymond Grigsby

5/30/13
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Inventor:

Balakrishna Wusirika
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4/3/2013
Date