

## 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>Ram Krishnan</td> <td>06/28/2013</td> </tr> <tr> <td>John Terry</td> <td>06/26/2013</td> </tr> </tbody> </table>   |                                      | Name          | Execution Date                       | Ram Krishnan        | 06/28/2013     | John Terry | 06/26/2013 |                |            |              |       |
| Name   | Execution Date                       |               |                                      |                     |                |            |            |                |            |              |       |
| Ram Krishnan   | 06/28/2013                           |               |                                      |                     |                |            |            |                |            |              |       |
| John Terry   | 06/26/2013                           |               |                                      |                     |                |            |            |                |            |              |       |
| RECEIVING PARTY DATA   |                                      |               |                                      |                     |                |            |            |                |            |              |       |
| <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 |
| 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>13797169</td> </tr> </tbody> </table>  |                                      | Property Type | Number                               | Application Number: | 13797169       |            |            |                |            |              |       |
| Property Type  | Number                               |               |                                      |                     |                |            |            |                |            |              |       |
| Application Number:  | 13797169                             |               |                                      |                     |                |            |            |                |            |              |       |
| CORRESPONDENCE DATA  |                                      |               |                                      |                     |                |            |            |                |            |              |       |
| Fax Number: 8324462424<br><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i><br>Phone: 832-446-2400<br>Email: WCPatent@counselip.com<br>Correspondent Name: Brocade-Wong Cabello Lutsch Rutherford &<br>Address Line 1: 20333 Tomball Parkway, 6th Floor<br>Address Line 4: Houston, TEXAS 77070 |                                      |               |                                      |                     |                |            |            |                |            |              |       |
| ATTORNEY DOCKET NUMBER:  | 112-0703US                           |               |                                      |                     |                |            |            |                |            |              |       |
| NAME OF SUBMITTER:   | Azadeh Khadem                        |               |                                      |                     |                |            |            |                |            |              |       |
| Signature:   | /Azadeh Khadem/                      |               |                                      |                     |                |            |            |                |            |              |       |
| Date:  | 07/15/2013                           |               |                                      |                     |                |            |            |                |            |              |       |

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4**

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**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 "Algorithm for Long-Lived Large Flow Identification",  
or
- ☒ United States application or PCT international application number 13/797,169 filed on  
March 12, 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:

B. R.  
Ram Krishnan

06/28/13  
Date

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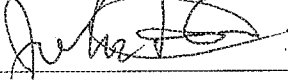
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Inventor/

  
\_\_\_\_\_  
John Terry

6/26/2013

\_\_\_\_\_  
Date