

## PATENT ASSIGNMENT

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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>Jun XU</td> <td>04/18/2012</td> </tr> <tr> <td>John BORDER</td> <td>04/20/2012</td> </tr> <tr> <td>Robert TORRES</td> <td>04/23/2012</td> </tr> <tr> <td>Yangang LI</td> <td>04/18/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jun XU	04/18/2012	John BORDER	04/20/2012	Robert TORRES	04/23/2012	Yangang LI	04/18/2012
Name	Execution Date										
Jun XU	04/18/2012										
John BORDER	04/20/2012										
Robert TORRES	04/23/2012										
Yangang LI	04/18/2012										
RECEIVING PARTY DATA											
Name:	Hughes Network Systems, LLC										
Street Address:	11717 Exploration Lane										
City:	Germantown										
State/Country:	MARYLAND										
Postal Code:	20876										
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>13453692</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13453692						
Property Type	Number										
Application Number:	13453692										
CORRESPONDENCE DATA											
Fax Number:	(703)519-9958										
Phone:	703-519-9951										
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	DITTHAVONG MORI & STEINER, P.C.										
Address Line 1:	918 Prince St.										
Address Line 4:	Alexandria, VIRGINIA 22314										
ATTORNEY DOCKET NUMBER:	P5828US00										
NAME OF SUBMITTER:	Phouphanomketh Ditthavong										
Total Attachments: 5											

OP \$40.00 13453692

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**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I (we) the undersigned, Jun XU, John BORDER, Robert TORRES, and Yangang LI hereby sell, assign, and transfer to Hughes Network Systems, LLC, a corporation of Maryland, having a principal place of business at 11717 Exploration Lane, Germantown, MD 20876, United States ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent, entitled:

METHOD AND APPARATUS FOR LOAD  
BALANCING ON A PRIORITY LEVEL BASIS OVER  
SHARED COMMUNICATIONS CHANNELS OF A  
COMMUNICATIONS SYSTEM

- which has been executed by the undersigned concurrently herewith,  
 which was filed on \_\_\_\_\_ and assigned Serial No. \_\_\_\_\_

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all assignments and powers of attorney; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

The undersigned hereby grant(s) registered practitioners of the firm of Ditthavong Mori & Steiner, P.C. of 918 Prince Street, Alexandria, Virginia, 22314, the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

**Each Inventor: Please Sign and Date Below:**

04/18, 2012  
Date

  
Name: Jun XU

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: John BORDER

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: Robert TORRES

\_\_\_\_\_, 20\_\_\_\_  
Date

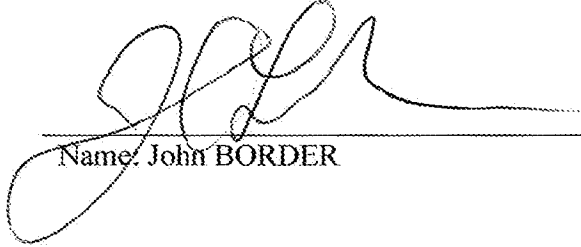
\_\_\_\_\_  
Name: LI YANGANG

**Each Inventor: Please Sign and Date Below:**

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: Jun XU

20 APRIL, 2012  
Date

  
\_\_\_\_\_  
Name: John BORDER

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: Robert TORRES

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: Li YANGANG

**Each Inventor: Please Sign and Date Below:**

\_\_\_\_\_, 20\_\_\_\_  
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\_\_\_\_\_  
Name: Jun XU

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: John BORDER

*Apr 23*, 2012  
Date

  
\_\_\_\_\_  
Name: Robert TORRES

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: Li YANGANG

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