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| PATENT ASSIGNMENT COVER SHEET |
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EPAS ID: PAT3149562

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ROBERT TORRES | 12/03/2014 |
| JOHN BORDER | 12/01/2014 |
| PATRICK STEVENS | 10/06/2014 |
| JUN XU | 12/02/2014 |
| JE-HONG JONG | 12/02/2014 |
| 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 | |
| Property Type | Number |
| Application Number: | 13306214 |
| CORRESPONDENCE DATA | |
| Fax Number: | (312)827-8000 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | 3123721121 |
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| Address Line 1: | P.O. BOX 1135 |
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| ATTORNEY DOCKET NUMBER: | 0361913.01269 |
| NAME OF SUBMITTER: | NOLAN R. HUBBARD |
| SIGNATURE: | /Nolan R. Hubbard/ |
| DATE SIGNED: | 12/16/2014 |
| Total Attachments: 6 | |
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ASSIGNMENT

WHEREAS, the undersigned, to wit: Robert Torres, John Border, Patrick Stevens, Jun Xu and Je-hong Jong (hereinafter "ASSIGNORS"), are the lawful owners of an invention entitled **METHOD AND SYSTEM FOR CONTROLLING TCP TRAFFIC WITH RANDOM EARLY DETECTION AND WINDOW SIZE ADJUSTMENTS** for which application for Letter Patent of the United States was filed on November 29, 2011 having Application Serial No. 13/306,214, now U.S. Patent No. 8,705,357, issued April 22, 2014;

AND WHEREAS, Hughes Network Systems, LLC (hereinafter "ASSIGNEE"), a corporation duly organized and existing under the laws of Delaware and having its principal office and place of business at 11717 Exploration Lane, Germantown, Maryland 20876, desires to acquire the entire right, title, and interest therein;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, said ASSIGNORS do hereby sell, assign, and transfer, and hereby set over unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to said invention in the United States of America and all foreign countries, including, without limitation, said invention as described in the aforesaid application, to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by said ASSIGNORS had this assignment and sale not been made, including, without limitation, all rights to the aforesaid application and to any United States Letters Patent therefor, when issued together with all improvements thereon and betterments thereof, all related applications including, but not limited to, divisions, continuations, continuations-in-part, reissues and reexaminations thereof and substitutions of or for said application, and all foreign rights including the right to make application for Letters Patent for said inventions in any and all foreign countries and the right to claim priority as to the filing date under the International Convention on the basis for the aforesaid application for United States Letters Patent; and ASSIGNORS hereby authorize and request the Commissioner of Patents to issue all Letters Patent issuing therefrom to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNORS hereby agree to execute any papers, provide any information and testify in any interference or litigation at the request of ASSIGNEE, its successors, assigns and legal representatives, when deemed essential to ASSIGNEE's, its successors', assigns' and legal representatives' full enjoyment, protection, enforcement and title in and to such invention and rights hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, to execute any and all papers desired by said ASSIGNEE, its successors, assigns and legal representatives, for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE, its successors, assigns and legal representatives.

Signature


Name: Robert Torres

Date Signed

12/03/2014

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature

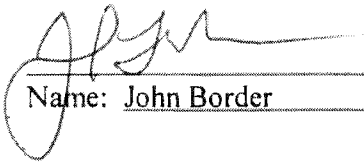

Name: Linda Harris

Date Signed

12/3/2014

LINDA B. HARRIS
NOTARY PUBLIC STATE OF MARYLAND
MONTGOMERY COUNTY
My Commission Expires August 30, 2017

Signature



Name: John Border

Date Signed

12/1/14

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature



Date Signed

12/1/14

Signature

Patrick J Stevens

Name: Patrick Stevens

Date Signed

10/6/14

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.


Signature

Noreen M. Stevens

Date Signed

10-6-14

Signature



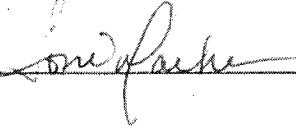
Name: Jun Xu

Date Signed

12/02/2014

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature



Date Signed

12/02/14

Signature

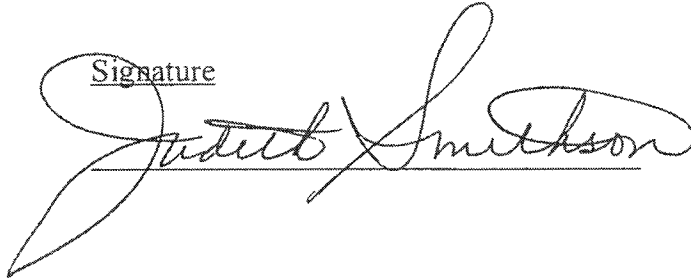

Name: Je-hong Jong

Date Signed

12/2/2014

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature


Judith Smithson

Date Signed

12-2-14