

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>Lin-Nan LEE</td> <td>05/14/2013</td> </tr> <tr> <td>Mustafa EROZ</td> <td>05/14/2013</td> </tr> <tr> <td>Liping CHEN</td> <td>05/14/2013</td> </tr> <tr> <td>Satyajit ROY</td> <td>05/14/2013</td> </tr> </tbody> </table>	Name	Execution Date	Lin-Nan LEE	05/14/2013	Mustafa EROZ	05/14/2013	Liping CHEN	05/14/2013	Satyajit ROY	05/14/2013	
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Lin-Nan LEE	05/14/2013										
Mustafa EROZ	05/14/2013										
Liping CHEN	05/14/2013										
Satyajit ROY	05/14/2013										
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:	13422534										
CORRESPONDENCE DATA											
Fax Number:											
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	P1096US00										
NAME OF SUBMITTER:	Craig Plastrik										
Signature:	/Craig Plastrik/										
Date:	06/11/2013										
Total Attachments: 3 source=P1096US00 Assignment (executed)#page1.tif source=P1096US00 Assignment (executed)#page2.tif source=P1096US00 Assignment (executed)#page3.tif											

OP \$40.00 13422534

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I (we) the undersigned, Lin-Nan LEE, Mustafa EROZ, Liping CHEN, and Satyajit ROY 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 WIRELESS DATA
TRANSMISSION SUBJECT TO PERIODIC SIGNAL BLOCKAGES

- ☐ which has been executed by the undersigned concurrently herewith,
☒ which was filed on March 16, 2012 and assigned Serial No. 13/422,534

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 Dittthavong 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:

May 14, 2012
Date

Lin-Nan Lee
Name: Lin-Nan LEE

May 14, 2012
Date

Mustafa Eroz
Name: Mustafa EROZ

5/14, 2012
Date

Liping Chen
Name: Liping CHEN

_____, 20____
Date

Name: Satyajit ROY

Attorney Docket No.: P6240US00

Patent

Each Inventor: Please Sign and Date Below:_____, 20____
Date_____
Name: Lin-Nan LEE_____, 20____
Date_____
Name: Mustafa EROZ_____, 20____
Date_____
Name: Liping CHEN05/14/2012
Date

Name: Satyajit ROY