

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>Rohit Seshadri</td> <td>01/20/2012</td> </tr> <tr> <td>Mustafa Eroz</td> <td>01/20/2012</td> </tr> <tr> <td>Lin-Nan Lee</td> <td>01/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Rohit Seshadri	01/20/2012	Mustafa Eroz	01/20/2012	Lin-Nan Lee	01/20/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Hughes Network Systems, LLC</td> </tr> <tr> <td>Street Address:</td> <td>11717 Exploration Lane</td> </tr> <tr> <td>City:</td> <td>Germantown</td> </tr> <tr> <td>State/Country:</td> <td>MARYLAND</td> </tr> <tr> <td>Postal Code:</td> <td>20876</td> </tr> </table>		Name:	Hughes Network Systems, LLC	Street Address:	11717 Exploration Lane	City:	Germantown	State/Country:	MARYLAND	Postal Code:	20876
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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>13231474</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13231474						
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Application Number:	13231474										
CORRESPONDENCE DATA											
Fax Number:	(703)519-9958										
Email:	docket@dcpatent.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
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ATTORNEY DOCKET NUMBER:	P4716US01										
NAME OF SUBMITTER:	Phouphanomketh Ditthavong										
Total Attachments: 2 source=P4716US01_Assignment#page1.tif source=P4716US01_Assignment#page2.tif											

OP \$40.00 13231474

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I (we) the undersigned, Rohit SESHADRI, Mustafa EROZ, Lin-Nan LEE, hereby sell, assign, and transfer to Hughes Network Systems, LLC, a corporation of Delaware, having a principal place of business at 11717 Exploration Lane, Germantown, MD, 20876 ("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 A PARAMETERIZED
INTERLEAVER DESIGN PROCESS

- which has been executed by the undersigned concurrently herewith,
 which was filed on September 13, 2011 and assigned Serial No. 13/231,474

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.

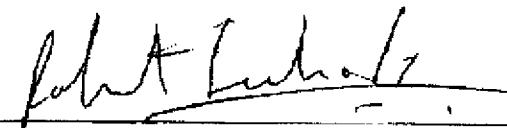
The undersigned hereby grant(s) registered practitioners of the firm of Ditthavong Mori & Steiner, P.C. of 918 Prince Street, Alexandria, Virginia, 22314, the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable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

Attorney Docket No.: P4716US01

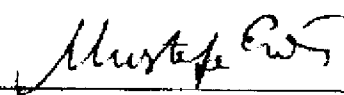
Patent

Each Inventor: Please Sign and Date Below:

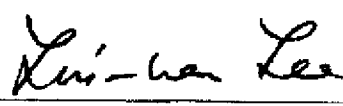
1/20, 2012
Date


Name: Rohit SESHADRI

1/20, 2012
Date


Name: Mustafa EROZ

1/20, 2012
Date


Name: Lin-Nan LEE