

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Mustafa Eroz</td> <td>08/28/2012</td> </tr> <tr> <td>Lin-Nan Lee</td> <td>08/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mustafa Eroz	08/28/2012	Lin-Nan Lee	08/28/2012
Name	Execution Date						
Mustafa Eroz	08/28/2012						
Lin-Nan Lee	08/28/2012						
RECEIVING PARTY DATA							
Name:	Hughes Network Systems, LLC						
Street Address:	11717 Exploration Lane						
City:	Germentown						
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>13596846</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13596846		
Property Type	Number						
Application Number:	13596846						
CORRESPONDENCE DATA							
Fax Number:	703-519-99						
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ATTORNEY DOCKET NUMBER:	10906						
NAME OF SUBMITTER:	Thomas D. Robbins						
Total Attachments: 2 source=ExecutedAssignment#page1.tif source=ExecutedAssignment#page2.tif							

OP \$40.00 13596846

## ASSIGNMENT

Page 1 of 2  
Attorney Docket No: 10906

WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a **SYSTEM AND METHOD FOR COMMUNICATING WITH LOW DENSITY PARITY CHECK CODES**:

- for which application for Letters Patent of the United States has been executed by me on this day; or  
 which is embodied in U.S. Patent Application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_.

WHEREAS, **HUGHES NETWORK SYSTEMS, LLC**, a Delaware limited liability company, having its principal place of business in Germantown, Maryland, U.S.A., is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to **HUGHES NETWORK SYSTEMS, LLC**, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said **HUGHES NETWORK SYSTEMS, LLC**, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to **HUGHES NETWORK SYSTEMS, LLC**, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by **HUGHES NETWORK SYSTEMS, LLC**, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of **HUGHES NETWORK SYSTEMS, LLC**, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in **HUGHES NETWORK SYSTEMS, LLC**, its successors, assigns or other legal representatives.

**PATENT**  
**REEL: 028862 FRAME: 0465**

IN WITNESS WHEREOF, I have executed this instrument:

Full Name of Sole or Joint Inventor: Mustafa Eroz	Inventor's Signature: <i>Mustafa Eroz</i>	Date: 8/28/2012
Residence (City and State) Germantown, MD	INVENTION AGREEMENT DATE August 23, 2012	
Full Name of Joint Inventor: Lin-Nan Lee	Inventor's Signature: <i>Lin-Nan Lee</i>	Date: Aug 28, 2012
Residence (City and State) Poiomas, MD	INVENTION AGREEMENT DATE August 23, 2012	
Full Name of Joint Inventor:	Inventor's Signature:	Date:
Residence (City and State)	INVENTION AGREEMENT DATE	
Full Name of Joint Inventor:	Inventor's Signature:	Date:
Residence (City and State)	INVENTION AGREEMENT DATE	
Full Name of Joint Inventor:	Inventor's Signature:	Date:
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Residence (City and State)	INVENTION AGREEMENT DATE	