



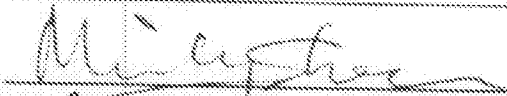
PATENT ASSIGNMENT

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>Kumud PATEL</td> <td>09/13/2013</td> </tr> <tr> <td>Sachin LAL</td> <td>09/13/2013</td> </tr> <tr> <td>Minheng SHAN</td> <td>09/13/2013</td> </tr> <tr> <td>Mark STEBER</td> <td>09/12/2013</td> </tr> </tbody> </table>		Name	Execution Date	Kumud PATEL	09/13/2013	Sachin LAL	09/13/2013	Minheng SHAN	09/13/2013	Mark STEBER	09/12/2013
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<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											
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CORRESPONDENCE DATA											
<p>Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 301-299-4624 Email: Craig@potomactechlaw.com Correspondent Name: Potomac Technology Law, LLC Address Line 1: 9713 Sotweed Drive Address Line 4: Potomac, MARYLAND 20854</p>											
ATTORNEY DOCKET NUMBER:	P1106US01										
NAME OF SUBMITTER:	Craig Plastrik										
Signature:	/Craig Plastrik/										
Date:	09/18/2013										
<p>Total Attachments: 1 source=P1106US01 Assignment (executed)#page1.tif</p>											

OP \$40.00 14027379

PATENT ASSIGNMENT

Assignor(s):	Kumud PATEL, Sachin LAL, Minheng SHAN, Mark STEBER		
Assignee:	Hughes Network Systems, LLC, 11717 Exploration Lane, Germantown, MD, 20876		
Patent Application(s):	<p>Title: METHOD AND APPARATUS FOR PROVIDING AN ENHANCED ZERO-IF RECEIVER ARCHITECTURE FOR A WIRELESS COMMUNICATIONS SYSTEM</p> <p><input checked="" type="checkbox"/> executed by the undersigned concurrently herewith</p> <p><input type="checkbox"/> Application No(s): [Enter App #] Filing Date: [Enter date]</p>		
<p>In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the above-named Assignors, hereby:</p> <p>sell, assign and transfer to the above-named 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: (1) the above-identified patent application(s) ("the Application(s)"), including any and all improvements that are disclosed in the Application(s); and (2) all divisional, continuing, substitute, renewal, reissue and all other patent applications, which have been or are subsequently filed in the United States and any and all foreign countries, based on or claiming priority to the Application(s), or based on any of said improvements; and (3) all original and reissued patents that have been or are subsequently issued in the United States and any and all foreign countries from the Application(s) or based on any of said improvements; and (4) any and all rights of priority arising from the filing of the Application(s) in the United States and any and all foreign countries; and</p> <p>agree that the Assignee may apply for and receive a patent or patents from the Application(s) and for said improvements in its own name; and that, to carry out in good faith the intent and purpose of this Assignment, I/we (without charge to, but at the expense of the Assignee) shall: execute the Application(s), and all divisional, continuing, substitute, renewal, reissue and other patent applications based on or claiming priority to the Application(s), or based on any and all of said improvements, and execute all associated assignments and powers of attorney; convey to the Assignee (and its successors, assigns and legal representatives) all known facts relating to the Application(s) said improvements and the history thereof; and generally assist the Assignee (and its successors, assigns and legal representatives) in securing and maintaining proper patent protection for the Application(s) and said improvements, and for vesting title in and to the Application(s), and all applications for patents and all patents on said improvements, in the Assignee (and its successors, assigns and legal representatives); and</p> <p>covenant with the Assignee (and 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 Assignor(s), and that full right to convey the same as herein expressed is possessed by the Assignor(s).</p>			
Date:	<u>9/13/13</u>	Kumud PATEL:	
Date:	<u>9/13/13</u>	Sachin LAL:	
Date:	<u>9/13/13</u>	Minheng SHAN:	
Date:	<u>9/12/13</u>	Mark STEBER:	