

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>Jack Rozmaryn</td> <td>11/01/2012</td> </tr> <tr> <td>Kent Pellerin</td> <td>11/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jack Rozmaryn	11/01/2012	Kent Pellerin	11/01/2012				
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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: 3128278185 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 312-372-1121 Email: chicago.patents@klgates.com Correspondent Name: Nolan R. Hubbard Address Line 1: P.O. Box 1135 Address Line 4: Chicago, ILLINOIS 60690-1135</p>											
NAME OF SUBMITTER:	Nolan R. Hubbard										
<p>Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif</p>											

CH 13666706 \$40.00

ASSIGNMENT

WHEREAS, the undersigned, to wit: JACK ROZMARYN and KENT PELLERIN, (hereinafter "ASSIGNORS"), are the lawful owners of an invention entitled **VSAT REAL-TIME SIGNAL VALIDATION** for which application for Letters Patent of the United States was filed or is about to be filed in the United States Patent and Trademark Office;

AND WHEREAS, Hughes Network Systems, LLC (hereinafter "ASSIGNEE"), having its principal office and/or place of business at 11717 Exploration Lane, Germantown, Maryland 20876, desires to acquire the entire right, title, and interest therein;

NOW, THEREFORE, for 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 and any other inventions disclosed in such application by ASSIGNORS individually or jointly, (collectively, the "Inventions") in the United States of America and all foreign countries, including, without limitation, said Inventions as disclosed 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 right, title, and interest to the aforesaid application (including, without limitation, any cause(s) of action and damages accruing prior to this assignment) and to any United States Letters Patent therefor, when issued together with all improvements thereon and betterments thereof, all related applications including, without limitation, 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 and the empowered officials of all other governments to issue all Letters Patent issuing therefrom to 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.

ASSIGNORS furthermore agree 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 domestic and foreign applications and the perfecting of title thereto in said ASSIGNEE, its successors, assigns and legal representatives.

Atty. Docket No. 0361913-1287

Signature

Name: Jack Rozmaryn

Date Signed

11/1/2012

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.

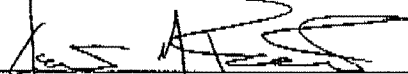
Signature

Debra M. Fox

Date Signed

11/1/2012

Signature

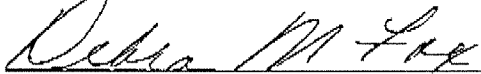

Name: Kent Pellerin

Date Signed

11/1/2012

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


Debra M. Lee

Date Signed

11/1/2012