

# PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Dave Roos	10/24/2011
Giadira Leon	10/24/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Hughes Networks Systems, LLC
<b>Street Address:</b>	11717 Exploration Lane
<b>City:</b>	Germantown
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20876
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13284117
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)827-8185
<b>Phone:</b>	312-807-4363
<b>Email:</b>	chicago.patents@klgates.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	Patricia Kane Schmidt
<b>Address Line 1:</b>	P.O. Box 1135
<b>Address Line 4:</b>	Chicago, ILLINOIS 60690-1135
<b>ATTORNEY DOCKET NUMBER:</b>	0361913-01270
<b>NAME OF SUBMITTER:</b>	Patricia Kane Schmidt
<b>Total Attachments: 4</b> source=0361913Assignments#page1.tif source=0361913Assignments#page2.tif source=0361913Assignments#page3.tif source=0361913Assignments#page4.tif	

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**PATENT**  
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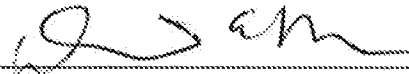
## ASSIGNMENT

WHEREAS, I, Dave Roos ("Assignor"), a citizen of the United States of America, residing in Boyds, MD, have invented certain new and useful inventions entitled "METHOD AND APPARATUS FOR BEAM SELECTION FOR A MULTIBEAM SATELLITE COMMUNICATIONS SYSTEM", for which an application for Letters Patent of the United States is filed herewith; and

WHEREAS, Hughes Networks Systems, LLC, ("Assignee"), a corporation duly organized under the laws of the State of Delaware, and having its offices and place of business at 11717 Exploration Lane, Germantown, Maryland 20876, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto.

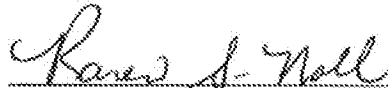
NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by the said Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer, and agree to sell, assign and transfer, unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all divisions, reissues, re-examinations, continuations (including, for example, continuations-in-part), and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, import, or sell the inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all divisional, reissue, re-examination, continuation, and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 24 day of OCTOBER, 2011

  
\_\_\_\_\_  
**Dave Roos, Assignor**

STATE OF: Maryland  
COUNTY OF: Montgomery : SS

On this 24<sup>th</sup> day of October, 2011 before me personally appeared **Dave Roos** to me known to be the person whose name is subscribed in the foregoing instrument, and who acknowledged that he executed said instrument as his free and voluntary act and for the purposes therein expressed.

  
\_\_\_\_\_  
Notary Public

My Commission Expires:  
Commission Expires 3/25/2012  
\_\_\_\_\_

## ASSIGNMENT

WHEREAS, I, Giadira León ("Assignor"), a citizen of the United States of America, residing in Damascus, MD, have invented certain new and useful inventions entitled "METHOD AND APPARATUS FOR BEAM SELECTION FOR A MULTIBEAM SATELLITE COMMUNICATIONS SYSTEM", for which an application for Letters Patent of the United States is filed herewith; and

WHEREAS, Hughes Networks Systems, LLC, ("Assignee"), a corporation duly organized under the laws of the State of Delaware, and having its offices and place of business at 11717 Exploration Lane, Germantown, Maryland 20876, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto.

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by the said Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer, and agree to sell, assign and transfer, unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all divisions, reissues, re-examinations, continuations (including, for example, continuations-in-part), and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, import, or sell the inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all divisional, reissue, re-examination, continuation, and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 24 day of October, 2011



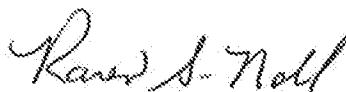
Giadira León, Assignor

STATE OF: Maryland

: SS

COUNTY OF: Montgomery

On this 24<sup>th</sup> day of October, 2011 before me personally appeared Giadira León to me known to be the person whose name is subscribed in the foregoing instrument, and who acknowledged that he executed said instrument as his free and voluntary act and for the purposes therein expressed.



Notary Public

My Commission Expires:

Commission Expires 3/25/2012