


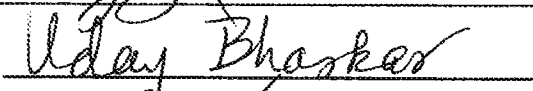

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4340258

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
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Property Type	Number
Application Number:	15469855
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SIGNATURE:	/Jasbir Singh/
DATE SIGNED:	03/28/2017
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 1	

PATENT ASSIGNMENT

Assignor(s):	Anthony NOERPEL; Uday R. BHASKAR; Stanley E. KAY; Neal David BECKER		
Assignee:	Hughes Network Systems, LLC 11717 Exploration Lane Germantown, MD 20876		
Patent Application(s):	Title: METHOD AND SYSTEM FOR ORIENTING A PHASED ARRAY ANTENNA <input type="checkbox"/> executed by the undersigned concurrently herewith <input checked="" type="checkbox"/> Application No(s): 15/469,855 Filing Date: March 27, 2017		
In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the above-named Assignors, hereby: 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 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 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).			
Date:	<u>3/28/2017</u>	Anthony NOERPEL:	
Date:	<u>3/27/2017</u>	Uday R. BHASKAR:	
Date:	<u>3/28/2017</u>	Stanley E. KAY:	
Date:	<u>3/28/17</u>	Neal David BECKER:	