

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4854408

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MURALI REGUNATHAN	02/19/2018
YEZDI ANTIA	02/20/2018
NEAL DAVID BECKER	03/06/2018
STANLEY E KAY	02/22/2018
UDAY R BHASKAR	02/22/2018
RECEIVING PARTY DATA	
Name:	HUGHES NETWORK SYSTEMS, LLC
Street Address:	11717 EXPLORATION LANE
City:	GERMANTOWN
State/Country:	MARYLAND
Postal Code:	20876
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15914021
CORRESPONDENCE DATA	
Fax Number:	(888)703-4446
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	571-215-2215
Email:	jsingh@capcitytechlaw.com
Correspondent Name:	JASBIR SINGH - HNS CAPITOL CITY TECHLAW
Address Line 1:	344 MAPLE AVENUE WEST, #333
Address Line 4:	VIENNA, VIRGINIA 22180
ATTORNEY DOCKET NUMBER:	403-0042
NAME OF SUBMITTER:	JASBIR SINGH
SIGNATURE:	/Jasbir Singh/
DATE SIGNED:	03/07/2018
Total Attachments: 5	
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PATENT ASSIGNMENT

Assignor(s):	Murali REGUNATHAN, Yezdi ANTIA, Neal David BECKER; Stanley E. KAY; Uday R. BHASKAR
Assignee:	Hughes Network Systems, LLC 11717 Exploration Lane Germantown, MD 20876

Patent Application(s):

Title: **TIMING SYNCHRONIZATION FOR A BEAM HOPPING SATELLITE**
 executed by the undersigned concurrently herewith
 Application No(s): _____ Filing Date: _____

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: 19 FEB 2018

Murali REGUNATHAN: _____

Date: _____

Yezdi ANTIA: _____

Date: _____

Neal David BECKER: _____

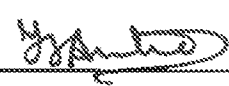
Date: _____

Stanley E. KAY: _____

Date: _____

Uday R. BHASKAR: _____

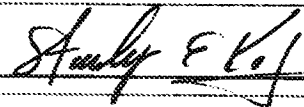
PATENT ASSIGNMENT

Assignor(s):	Murali REGUNATHAN, Yezdi ANTIA, Neal David BECKER; Stanley E. KAY; Uday R. BHASKAR
Assignee:	Hughes Network Systems, LLC 11717 Exploration Lane Germantown, MD 20876
Patent Application(s):	
Title:	TIMING SYNCHRONIZATION FOR A BEAM HOPPING SATELLITE
<input checked="" type="checkbox"/>	executed by the undersigned concurrently herewith
<input type="checkbox"/>	Application No(s): _____ Filing Date: _____
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Date: _____	Murali REGUNATHAN: _____
Date: <u>2-20-2015</u>	Yezdi ANTIA: 
Date: _____	Neal David BECKER: _____
Date: _____	Stanley E. KAY: _____
Date: _____	Uday R. BHASKAR: _____

PATENT ASSIGNMENT

Assignor(s):	Murali REGUNATHAN, Yezdi ANTIA, Neal David BECKER; Stanley E. KAY; Uday R. BHASKAR
Assignee:	Hughes Network Systems, LLC 11717 Exploration Lane Germantown, MD 20876
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Date: _____	Murali REGUNATHAN: _____
Date: _____	Yezdi ANTIA: _____
Date: <u>3/6/2018</u>	Neal David BECKER: <u><i>Neal D. Becker</i></u>
Date: _____	Stanley E. KAY: _____
Date: _____	Uday R. BHASKAR: _____

PATENT ASSIGNMENT

Assignor(s):	Murali REGUNATHAN, Yezdi ANTIA, Neal David BECKER; Stanley E. KAY; Uday R. BHASKAR		
Assignee:	Hughes Network Systems, LLC 11717 Exploration Lane Germantown, MD 20876		
Patent Application(s):	Title: TIMING SYNCHRONIZATION FOR A BEAM HOPPING SATELLITE		
	<input checked="" type="checkbox"/> executed by the undersigned concurrently herewith		
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Date:	_____	Murali REGUNATHAN:	_____
Date:	_____	Yezdi ANTIA:	_____
Date:	_____	Neal David BECKER:	_____
Date:	<u>2/22/18</u>	Stanley E. KAY:	
Date:	_____	Uday R. BHASKAR:	_____

PATENT ASSIGNMENT

Assignor(s):	Murali REGUNATHAN, Yezdi ANTIA, Neal David BECKER; Stanley E. KAY; Uday R. BHASKAR
Assignee:	Hughes Network Systems, LLC 11717 Exploration Lane Germantown, MD 20876

Patent Application(s):

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Date: _____ Murali REGUNATHAN: _____

Date: _____ Yezdi ANTIA: _____

Date: _____ Neal David BECKER: _____

Date: _____ Stanley E. KAY: _____

Date: 2/22/2018 Uday R. BHASKAR: Uday R Bhaskar