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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY	/ DATA			
		Name	Execution Date	
DOUGLAS MERRILL	DILLON		03/24/2017	
UDAY R. BHASKAR			03/24/2017	
	DATA			
RECEIVING PARTY		HUGHES NETWORK SYSTEMS, LLC		
Street Address:		11717 EXPLORATION LANE		
City:				
State/Country:	MARY	ÍLAND		
Postal Code:	20876	;		
PROPERTY NUMBE	BS Total:	1		
Property Ty		Number	7	
	:	16120213		

Correspondent Name:SHEPPARD MULLIN RICHTER & HAMPTON LLPAddress Line 1:650 TOWN CENTER DRIVE, 4TH FLOORAddress Line 4:COSTA MESA, CALIFORNIA 92626

ATTORNEY DOCKET NUMBER: 37BT-277067					
NAME OF SUBMITTER: CINDY VARELA					
SIGNATURE: /Cindy Varela/					
DATE SIGNED: 08/31/2018					
Total Attachments: 3					
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ASSIGNMENT

WHEREAS, Douglas Merrill Dillon of Gaithersburg, Maryland, and Uday R. Bhaskar of North Potomac, Maryland, Assignors, have invented a new and useful DYNAMIC HISTORY MULTISTREAM LONG RANGE COMPRESSION, for which an United States Utility patent application was filed on May 23, 2016, under Serial No. 15/162,260; and

WHEREAS, Assignors believe themselves to be the original, first, and joint inventors of the inventions disclosed and claimed in the application for Letters Patent; and

WHEREAS, Hughes Network Systems, LLC, having a place of business at 11717 Exploration Lane, Germantown, Maryland 20876, Assignee, desires to acquire by formal, recordable assignment the entire right, title and interest in and to the inventions, the application, and any Letters Patent that might be granted for the inventions in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, said Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said Assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and

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PATENT REEL: 046771 FRAME: 0862 entirely as the same would have been held and enjoyed by the Assignors, had this sale and assignment not been made.

AND for the same consideration, said Assignors hereby covenant and agree to and with said Assignee its successors, legal representatives and assigns, that said Assignors will, whenever counsel of said Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said Assignee, its successors, legal representatives and assigns, but at the cost and expense of said Assignee, its successors, legal representatives and assigns.

AND for the same consideration, said Assignors hereby covenant and agree to and with said Assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said Assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for the inventions, whether on the application or on any subsequently filed division, continuation,

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continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignce of the entire interest in the inventions.

ASSIGNORS:

2017 Date:

2017 Date: 2

Douglas Merrill Dillon

// N

Uday R. Bhaskar

ASSIGNEE:

Hughes Network Systems, LLC

Date:

B Name: iers

Position: Nationality: U.S. Address: 11717 Exploration Lane Germantown, Maryland 20876, U.S.

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RECORDED: 08/31/2018