

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7034400

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DISH NETWORK L.L.C.	11/05/2021
RECEIVING PARTY DATA	
Name:	DISH WIRELESS L.L.C.
Street Address:	5701 S. SANTA FE DRIVE
City:	LITTLETON
State/Country:	COLORADO
Postal Code:	80120
PROPERTY NUMBERS Total: 6	
Property Type	Number
Application Number:	17396468
Application Number:	17153368
Patent Number:	10624052
Patent Number:	10999809
Patent Number:	10931365
Patent Number:	11122586
CORRESPONDENCE DATA	
Fax Number:	
<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:	3035714000
Email:	rmaschka@kilpatricktownsend.com
Correspondent Name:	KILPATRICK TOWNSEND & STOCKTON LLP
Address Line 1:	1100 PEACHTREE STREET, SUITE 2800
Address Line 4:	ATLANTA, GEORGIA 30309
ATTORNEY DOCKET NUMBER:	P2019-02-05.1 ET AL.
NAME OF SUBMITTER:	RACHAEL MASCHKA
SIGNATURE:	/Rachael Maschka/
DATE SIGNED:	11/19/2021
Total Attachments: 3	

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PATENT

REEL: 058165 FRAME: 0559

PATENT ASSIGNMENT

WHEREAS, **DISH Network L.L.C.**, a limited liability company organized and existing under the laws of the State of Colorado, United States of America, and having a principal place of business of 9601 S. Meridian Blvd., Englewood, CO 80112 ("**ASSIGNOR**"), owns rights in, to and under the patents and patent applications set forth in the attached Schedule A (the "**Properties**"); and

WHEREAS, **DISH Wireless L.L.C.**, a limited liability company organized and existing under the laws of the State of Colorado, United States of America and having a principal place of business of 5701 S Santa Fe Dr., Littleton, CO 80120 ("**ASSIGNEE**"), is desirous of acquiring ASSIGNOR'S entire right, title and interest in, to and under the Properties.

WHEREAS, ASSIGNOR, to the extent they own any right, title and interest in and to the Properties is desirous of assigning any and all such rights, title and/or interest to ASSIGNEE.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the Properties and any and all letters patent or patents in the United States of America and all foreign countries which may be granted therefore and thereon (including any divisions, continuations, continuations-in-part, reissues, reexaminations or extensions of letters patents and other related applications arising from, corresponding to and/or claiming priority to any of the Properties) and the registration thereof, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the ASSIGNEE for its own use and enjoyment and for the use and enjoyment of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent may be granted, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made, and further including all income, royalties, damages and payments for past or future infringements and misappropriations thereof, all rights to sue for past, present and future infringements or misappropriations thereof, and all rights corresponding to any of the above throughout the world and for the full term or terms of assigned Properties;

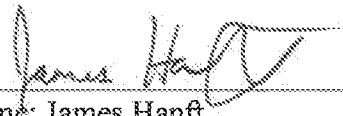
AND for the same consideration, ASSIGNOR hereby covenants and agrees to and with ASSIGNEE, its successors, legal representatives and assigns, that ASSIGNOR will encourage its employees named as inventors on one or more of the assigned Properties, to make, execute and deliver any and all other instruments in writing as may be necessary to assign the Properties to ASSIGNEE, including, but not limited to, any and all further application papers, affidavits, assignments and other documents, and that ASSIGNOR will communicate to ASSIGNEE, its successors, legal representatives and assigns, all facts known to ASSIGNOR relating to the Properties, and that ASSIGNOR will testify in all legal proceedings and generally do all things which may be necessary or desirable to more effectually secure to and vest in ASSIGNEE, its successors, legal representatives and

assigns, the entire right, title and interest in and to the Properties;

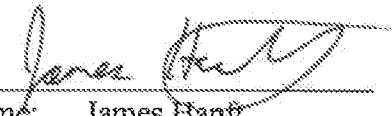
AND THE ASSIGNOR HEREBY authorizes and requests the Commissioner of the United States Patent and Trademark Office, and any official of any country or countries foreign to the United States, whose duty is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument

IN WITNESS WHEREOF, the undersigned have executed this Patent Assignment as of the date of the 5th date November, 2021

DISH Network L.L.C.

By: 
Name: James Hanft
Title: Vice President & AGC, IP

DISH Wireless L.L.C.

By: 
Name: James Hanft
Title: Vice President & AGC, IP

Schedule A
ASSIGNED PATENT APPLICATIONS AND PATENTS

Pending Patent Applications

Country	Application Number	Title	Filing Date
US	17396468	TIMING ADVANCE FOR SATELLITE-BASED COMMUNICATIONS	Apr 11, 2019
CN	2019800318585	TIMING ADVANCE FOR SATELLITE-BASED COMMUNICATIONS	Apr 11, 2019
EP	197191448	TIMING ADVANCE FOR SATELLITE-BASED COMMUNICATIONS	Apr 11, 2019
JP	2020563670	TIMING ADVANCE FOR SATELLITE-BASED COMMUNICATIONS USING A SATELLITE WITH ENHANCED PROCESSING CAPABILITIES	Jan 20, 2021
KR	1020207035581	TIMING ADVANCE FOR SATELLITE-BASED COMMUNICATIONS USING A SATELLITE WITH ENHANCED PROCESSING CAPABILITIES	Apr 11, 2019
US	17153368	COEXISTENCE OF MULTIPLE RADIO TECHNOLOGIES IN A SHARED FREQUENCY BAND	Dec 23, 2020
EP	197197502	TIMING ADVANCE FOR SATELLITE-BASED COMMUNICATIONS	Apr 11, 2019
WO	PCTUS2066745	TIMING ADVANCE FOR SATELLITE-BASED COMMUNICATIONS	Apr 11, 2019

Issued Patents

Country	Patent Number	Title
US	10624052	TIMING ADVANCE FOR SATELLITE-BASED COMMUNICATIONS
US	10999809	TIMING ADVANCE FOR SATELLITE-BASED COMMUNICATIONS
US	10931365	TIMING ADVANCE FOR SATELLITE-BASED COMMUNICATIONS USING A SATELLITE WITH ENHANCED PROCESSING CAPABILITIES
US	11122586	COEXISTENCE OF MULTIPLE RADIO TECHNOLOGIES IN A SHARED FREQUENCY BAND