

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6489610

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JAMES WILDE	10/11/2019
ASHOK SONI	11/12/2019
HAWK MCGINTY	11/12/2019
JAMES SHULER	11/12/2019
LIXING ZHANG	01/11/2021
MICHAEL DISANTE	11/12/2019
NARAYANAN SEKHAR	11/12/2019
XIAOMEI SUN	01/11/2021
XINHUA YANG	11/12/2019
RECEIVING PARTY DATA	
Name:	DISH NETWORK LLC
Street Address:	9601 S. MERIDIAN BLVD.
City:	ENGLEWOOD
State/Country:	COLORADO
Postal Code:	80112
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16655507
CORRESPONDENCE DATA	
Fax Number:	(480)385-5061
<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:	480 385 5060
Email:	IPDEPT@dish.com
Correspondent Name:	LKGLOBAL (DISH)
Address Line 1:	7010 E. COCHISE ROAD
Address Line 4:	SCOTTSDALE, ARIZONA 85253-1406
ATTORNEY DOCKET NUMBER:	066.0731US
NAME OF SUBMITTER:	ADITYA KRISHNAN

SIGNATURE:	/ADITYA KRISHNAN/
DATE SIGNED:	01/11/2021
Total Attachments: 10 source=20210111_Assignment_066-0731US#page1.tif source=20210111_Assignment_066-0731US#page2.tif source=20210111_Assignment_066-0731US#page3.tif source=20210111_Assignment_066-0731US#page4.tif source=20210111_Assignment_066-0731US#page5.tif source=20210111_Assignment_066-0731US#page6.tif source=20210111_Assignment_066-0731US#page7.tif source=20210111_Assignment_066-0731US#page8.tif source=20210111_Assignment_066-0731US#page9.tif source=20210111_Assignment_066-0731US#page10.tif	

**ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR
LETTERS PATENT OF THE UNITED STATES OF AMERICA**

WHEREAS, **JAMES WILDE, ASHOK SONI, HAWK MCGINTY, JAMES SHULER, LIXING ZHANG, MICHAEL DISANTE, NARAYANAN SEKHAR, XIAOMEI SUN, and XINHUA YANG** (hereinafter, singularly and collectively “Assignor”) have jointly (as appropriate) invented and/or discovered certain new and useful invention, process, machine, manufacture, or composition of matter, or any new and useful improvement in an invention as described in an Provisional application entitled “**METHODS AND SYSTEMS FOR IMPLEMENTING AN ELASTIC CLOUD BASED VOICE SEARCH USING A THIRD-PARTY SEARCH PROVIDER**” filed in and/or with the United States Patent and Trademark Office on October 17, 2019, and which has been assigned Application Serial Number 16/655,507 and which is further identified by the Dish Docket No. set forth above (hereinafter, the “Invention”); and

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, Colorado 80112** (hereinafter, the “Assignee”) desires to acquire all rights, title and interest in and to the Invention, including, but not limited to, all rights, title and interest in and to past, present and future damages, injunctive relief and to any and all other additional rights, title, interest, relief and/or remedies granted by any legislative, judicial, quasi-judicial, administrative or other body, or otherwise; and

WHEREAS, Assignor, to the extent they own any right, title and interest in and to the Invention are desirous of assigning any and all such rights, title and/or interest to Assignee.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby sells, assigns, transfers and sets over unto Assignee and its legal representatives, successor and assigns, the entire right, title and interest, including any all rights in and/or to past, present and future damages, injunctive relief and/or any other remedy and relief granted by a legislative, judicial, quasi-judicial or administrative body, in and to said Invention, said application, for any and all provisional, non-provisional, national, international, foreign, and regional applications corresponding and/or claiming priority thereto, any divisions, continuations, continuation-in-parts, reissues, reexaminations, renewals, and extensions thereof, and the Letters Patent, both foreign and domestic, that may or shall issue thereon, and does request the Commissioner of Patents to issue said Letters Patent to the Assignee, consistent with the terms of this agreement.

Assignor hereby authorizes Assignee to insert in this instrument the filing date and Application Serial Number in the above fields if not already present at the time of execution of this instrument.

Assignor hereby declares that he/she is the sole inventor (if only one inventor is named herein) or an original, first and joint inventor (if plural inventors are named herein) of the Invention.

UPON SAID CONSIDERATION, Assignor hereby covenants and agrees with Assignee that they will not execute any writing or do any act whatsoever conflicting with these presents, and agrees

that, when requested, he/she will, without charge to Assignee but at its expense, execute such additional assignments, declarations and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, renewal, reissued or extended Letters Patent of the United States, or of any and all foreign countries, on said invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

Assignor agrees that he/she will communicate to Assignee or its representatives any facts known to Assignor respecting said inventions within a reasonable time of discovering or coming into possession of the same.

Assignor authorizes and empowers Assignee, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in Assignor's name, in any and all countries to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

Assignor hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of Assignee or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

Assignor covenants with Assignee, its successors, assigns, legal representatives, and nominees, that to the best of Assignor's knowledge the right, title and interest herein conveyed are free and clear of any encumbrance, and that Assignor has the full right to convey the same as herein expressed.

This Agreement and Assignment supersedes all other assignments, agreements and addendums related to the above-identified application.

After this Assignment has been recorded, please return it to:

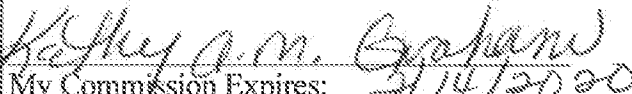
Attn: Max S. Gratton, Director and Senior Corporate Counsel, IP
DISH Network L.L.C.
9601 S. Meridian Blvd.
Englewood, CO 80112

JOINT

Inventor (1): JAMES WILDE
(Name)


(Signature in Full)

On this 11 day of OCTOBER, 2019, before me a notary public in and for the county of DOUGLAS in the State of COLORADO, appeared JAMES WILDE, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.


My Commission Expires: 2/14/2020
Notary Public

KATHY AM GRAHAM
NOTARY PUBLIC
STATE OF COLORADO
Notary ID 20124008408
My Commission Expires 02/14/2020

JOINT

Inventor (2): ASHOK SONI
(Name)

(Signature in Full)

On this _____ day of _____, 2019, before me a notary public in and for the county of _____ in the State of _____, appeared ASHOK SONI, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

My Commission Expires: _____
Notary Public

(Seal)

JOINT

Inventor (1): JAMES WILDE
(Name)

(Signature in Full)

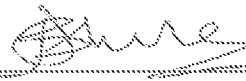
On this _____ day of _____, 2019, before me a notary public in and for the county of _____ in the State of _____, appeared JAMES WILDE, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

My Commission Expires: _____
Notary Public

(Seal)

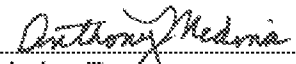
JOINT

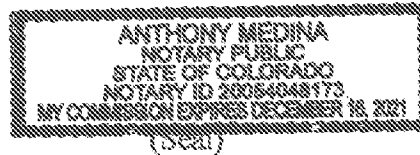
Inventor (2): ASHOK SONI
(Name)



(Signature in Full)

On this 12th day of November, 2019, before me a notary public in and for the county of Drapach in the State of Colorado, appeared ASHOK SONI, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.


My Commission Expires: 12/16/21
Notary Public

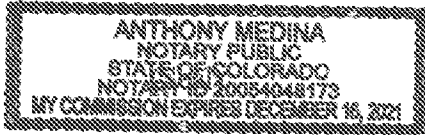


(Seal)

JOINT
 Inventor (3): HAWK MCGINTY
 (Name) *Hawk McGinty*
 (Signature in Full)

On this 12th day of November, 2019, before me a notary public in and for the county of Arapahoe in the State of Colorado, appeared HAWK MCGINTY, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

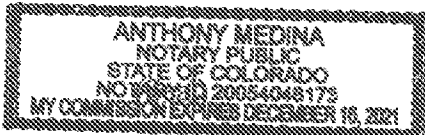
Anthony Medina
 My Commission Expires: 12/16/21
 Notary Public



JOINT
 Inventor (4): JAMES SHULER
 (Name) *James Shuler*
 (Signature in Full)

On this 12th day of November, 2019, before me a notary public in and for the county of Arapahoe in the State of Colorado, appeared JAMES SHULER, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

Anthony Medina
 My Commission Expires: 12/16/21
 Notary Public



JOINT

Inventor (5): LIXING ZHANG / LIXING ZHANG /
(Name) (Signature in Full)

On this _____ day of _____, 2019, before me a notary public in and for the county of _____ in the State of _____, appeared **LIXING ZHANG**, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

My Commission Expires: _____ (Seal)
Notary Public

JOINT

Inventor (6): MICHAEL DISANTE _____
(Name) (Signature in Full)

On this _____ day of _____, 2019, before me a notary public in and for the county of _____ in the State of _____, appeared **MICHAEL DISANTE**, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

My Commission Expires: _____ (Seal)
Notary Public

JOINT

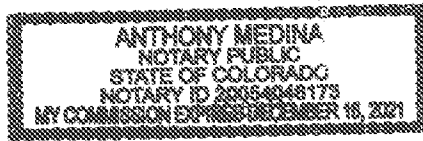
Inventor (7): NARAYANAN SEKHAR
(Name)

N. Narayanan
(Signature in Full)

On this 12th day of November, 2019, before me a notary public in and for the county of Arapahoe in the State of Colorado, appeared NARAYANAN SEKHAR, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

Anthony Medina

My Commission Expires: 12/16/21
Notary Public



JOINT

Inventor (8): XIAOMEI SUN
(Name)

(Signature in Full)

On this _____ day of _____, 2019, before me a notary public in and for the county of _____ in the State of _____, appeared XIAOMEI SUN, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

My Commission Expires: _____
Notary Public

(Seal)

JOINT

Inventor (7): NARAYANAN SEKHAR _____
(Name) (Signature in Full)

On this _____ day of _____, 2019, before me a notary public in and for the county of _____ in the State of _____, appeared **NARAYANAN SEKHAR**, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

My Commission Expires: _____ (Seal)
Notary Public

JOINT

Inventor (8): XIAOMEI SUN _____
(Name) (Signature in Full)

On this _____ day of _____, 2019, before me a notary public in and for the county of _____ in the State of _____, appeared **XIAOMEI SUN**, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

My Commission Expires: _____ (Seal)
Notary Public

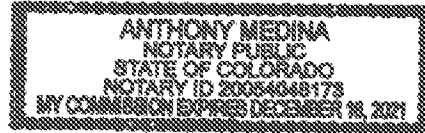
JOINT

Inventor (9): XINHUA YANG
(Name)

Xinhua Yang
(Signature in Full)

On this 12th day of November, 2019, before me a notary public in and for the county of Arapahoe in the State of Colorado, appeared XINHUA YANG, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

Anthony Medina
My Commission Expires: 12/16/21
Notary Public



(Seal)