

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4200477

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREY ABRAMOV	11/30/2016
DMITRY DIMOV	12/02/2016
CHIH JEN KEN LEE	12/03/2016
NAGA VENKATA GNANA MEHERKANTH VURIMI	11/30/2016
OLEKSANDR YEGOROV	11/30/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SLING MEDIA, INC.
<b>Street Address:</b>	1051 E. HILLSDALE BLVD
<b>Internal Address:</b>	SUITE 500
<b>City:</b>	FOSTER CITY
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94404
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15367750
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	313-528-4882
<b>Email:</b>	docket@b2iplaw.com
<b>Correspondent Name:</b>	BEJIN BIENEMAN PLC
<b>Address Line 1:</b>	300 RIVER PLACE DRIVE
<b>Address Line 2:</b>	SUITE 1650
<b>Address Line 4:</b>	DETROIT, MICHIGAN 48207
<b>ATTORNEY DOCKET NUMBER:</b>	P2015-09-18(01031-0067)
<b>NAME OF SUBMITTER:</b>	CHARLES A. BIENEMAN
<b>SIGNATURE:</b>	/Charles A. Bieneman/
<b>DATE SIGNED:</b>	12/23/2016

**Total Attachments: 9**

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

WHEREAS, **Andrey Abramov** residing at **744 Bounty Drive, Apt 4403, Foster City, California 94404**; **Dmitry Dimov** residing at **2435 14<sup>th</sup> Ave., San Francisco, California 94116**; **Chih Jen Ken Lee** residing at **1043 Curtis St., Albany, California 94706**; **Naga Venkata Gnana Meherkanth Vurimi** residing at **520 3<sup>rd</sup> Avenue, San Bruno, California 94066**; and **Oleksandr Yegorov** residing at **451 Donahue St., Apt 508, San Francisco, California 94124** (hereinafter, singularly and collectively "Assignor") has solely and/or 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 application for Letters Patent entitled "**NETWORK-BASED EVENT RECORDING**" filed in and/or with the United States Patent and Trademark Office on December 2, 2016, and which has been assigned Application Serial Number 15/367,750 and which is further identified by the EchoStar Docket No. set forth above (hereinafter, the "Invention"); and

WHEREAS, **Sling Media, Inc.**, a corporation organized and existing under the laws of the State of Delaware, United States of America, and having a principal place of business of **1051 E. Hillsdale Blvd, Suite 500, Foster, City CA 94404** (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 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.

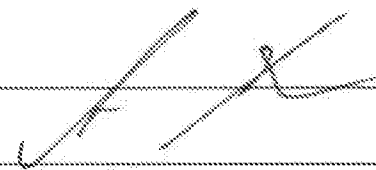
Assignor hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of Assignee or its successors, assigns or nominees 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.

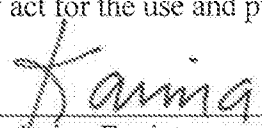
This Agreement and Assignment supersedes all other assignments, agreements and addendums related to the above-identified application.

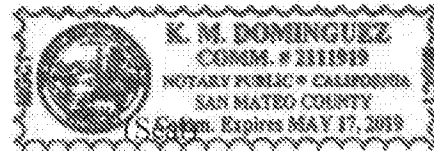
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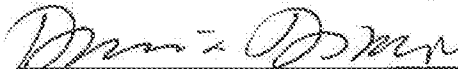
Attn: Max S. Gratton  
Legal Department  
EchoStar Technologies L.L.C.  
100 Inverness Terrace East  
Englewood, CO 80112

**JOINT**Inventor (1): Andrey Abramov  
(Name)  
(Signature in Full)

On this 30 day of NOVEMBER, 2016, before me a notary public in and for the county of SAN MATEO in the State of CALIFORNIA, appeared ANDREY ABRAMOV, 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: 05/17/2019  
Notary Public K. M. DOMINGUEZ



**JOINT**Inventor (2): Dmitry Dimov  
(Name)  
(Signature in Full)

On this \_\_\_\_\_ day of \_\_\_\_\_, 2016, before me a notary public in and for the county of \_\_\_\_\_ in the State of \_\_\_\_\_, appeared **DMITRY DIMOV**, 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.

SEE ATTACHED CA ALL PURPOSE ACKNOWLEDGMENTMy Commission Expires: \_\_\_\_\_  
Notary Public

(Seal)

## ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of SAN FRANCISCO

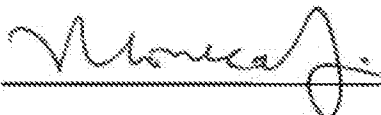
On 12/2/2016 before me, MONICA J. LEVAVI, NOTARY PUBLIC  
(Insert name and title of the officer)

personally appeared DMITRY DIMOV  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

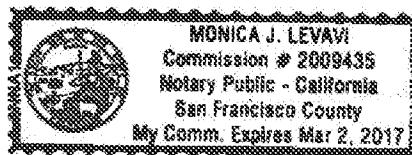
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature




(Seal)



**JOINT**  
 Inventor (3): Chih Jen Ken Lee  
 (Name) (Signature in Full)

On this 23 day of December, 2016, before me a notary public in and for the county of Alameda in the State of California, appeared **CHIH JEN KEN LEE**, 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.

(Signature)  
 My Commission Expires: April 29, 2019  
 Notary Public Collin Becker



COLLIN BECKER  
 COMM. # 2108174  
 NOTARY PUBLIC - CALIFORNIA  
 ALAMEDA COUNTY  
 My Comm. Exp. 4-8-2019

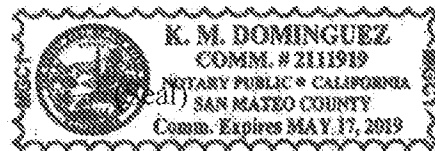
**JOINT**

Inventor (4): Naga Venkata Gnana Meherkanth Vurimi  
 (Name)

*Naga Venkata*  
 (Signature in Full)

On this 30 day of NOVEMBER, 2016, before me a notary public in and for the county of SAN MATEO in the State of CALIFORNIA, appeared **NAGA VENKATA GNANA MEHERKANTH VURIMI**, 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.

*Kamma*  
 My Commission Expires: 05/17/2019  
 Notary Public K. M. DOMINGUEZ



**JOINT**

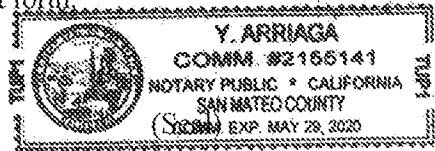
Inventor (S): Oleksandr Yegorov  
(Name)

(Signature in Full)

On this 30<sup>th</sup> day of November, 2016, before me a notary public in and for the county of SAN MATEO in the State of CALIFORNIA, appeared **OLEKSANDR YEGOROV**, 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

May 29, 2020



Assignee: <u>Max Stephen Gratton</u> (Name)	<u>[Signature]</u> (Signature in Full)
State of Colorado County of <u>Arapahoe</u>	
The foregoing instrument was acknowledged before me this <u>9<sup>th</sup></u> day of <u>December</u> , 2016 by Max Stephen Gratton, Senior Patent Counsel & Director of Sling Media, Inc., a Delaware corporation, on behalf of the corporation.	
<u>[Signature]</u> My Commission Expires: _____ Notary Public	<div style="border: 1px solid black; padding: 5px; text-align: center;">RITA M BARTOLO NOTARY PUBLIC STATE OF COLORADO NOTARY ID 19914008535 MY COMMISSION EXPIRES SEPTEMBER 26, 2019</div>