504649073 11/17/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4695794

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEFFREY MCSCHOOLER	12/21/2016

RECEIVING PARTY DATA

Name:	ECHOSTAR TECHNOLOGIES L.L.C.
Street Address:	100 INVERNESS TERRACE EAST
City:	ENGLEWOOD
State/Country:	COLORADO
Postal Code:	80112

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15815382

CORRESPONDENCE DATA

Fax Number: (303)571-4321

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.

Phone: 303-571-4000

Email: kschwalbach@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP

Address Line 1: 1100 PEACHTREE STREET

Address Line 2: SUITE 2800

Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	P2016-10-02.1 (1066019)
NAME OF SUBMITTER:	KATIE SCHWALBACH
SIGNATURE:	/KATIE SCHWALBACH/
DATE SIGNED:	11/17/2017

Total Attachments: 3

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PATENT 504649073 REEL: 044165 FRAME: 0034

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

WHEREAS, Jeffrey McS	chooler, 9583 Paperflower Drive, Parker, CO 80138 (hereinafter, singularly and
collectively "Assignor") h	as solely 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 "IN-VEHICLE MOBILE DEVICE DISTRACTED
DRIVER CONTROL" file	ed in and/or with the United States Patent and Trademark Office on
December 23, 2016	and which has been assigned Application Serial Number
15/389,944	and which is further identified by the Echostar Docket No. set forth above
(hereinafter, the "Invention	n"); and

WHEREAS, Echostar Technologies L.L.C., a limited liability company organized and existing under the laws of the State of Texas, United States of America and having a principal place of business of 100 Inverness Terrace East, 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 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 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

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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 Legal Department

> Echostar Technologies L.L.C. 100 Inverness Terrace East Englewood, CO 80112

> > PATENT

REEL: 044165 FRAME: 0036

inventor (1): Jeffrey McSchooler (Name) On this 2/54 day of 1/22/16 day of 2/22/16 day of 2/22/	Inventor (1): Jeffrey McSchooler (Name) On this 2/s day of 1/22/state of 2/16/store me a notary public in and for the county of appeared Jeffrey McSchooler, who is sersonally 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 few managements of the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a few managements of the same person whose name is subscribed to the foregoing instrument, and acknowledged the same instrument as a few managements of the same person whose name is subscribed to the foregoing instrument, and acknowledged the same instrument as a few managements of the same person whose name is subscribed to the foregoing instrument as a few managements of the same person whose name is subscribed to the foregoing instrument as a few managements of the same person whose name is subscribed to the foregoing instrument as a few managements of the same person whose name is subscribed to the foregoing instrument as a few managements of the same person whose name is subscribed to the foregoing instrument as a few managements of the same person whose name is subscribed to the foregoing instrument as a few managements of the same person whose name is subscribed to the foregoing instrument as a few managements of the same person whose name is subscribed to the foregoing instrument as a few managements of the same person whose name is subscribed to the foregoing instrument as a few managements of the same person whose name is subscribed to the foregoing instrument as a few managements of the same person whose name is subscribed to the foregoing instrument as a few managements of the same person whose name is subscribed to the foregoing instruments and few managements of the same person whose name is subscribed to the foregoing instruments of the same person whose name is subscribed to the foregoing instrumen	(Name) (Signature in Full) On this			Echnitas Dockes No. 1730 6-10-42 (1
(Name) (Name) (Signature in Full) On this 1/2 day of 1/2 / 2016 fore me a notary public in and for the county of notary appeared Jeffrey McSchooler, 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 instruments. I have delivered the same purposes therein set forth. ANTHON MEDINA NOTARY PUBLIC STATE OF COLORADO ANTHONY MEDINA NOTARY PUBLIC STATE OF COLORADO ANTONY MEDINA NOTARY PUBLIC STATE OF COLORADO ANTHONY MEDINA NOTARY PUBLIC STATE OF COLORADO ANTHONY MEDINA NOTARY PUBLIC STATE OF COLORADO ANTHONY MEDINA NOTARY PUBLIC STATE OF COLORADO ANTONY MEDINA NOTARY PUBLIC STATE OF COLORADO ANTONY MEDINA NOTARY PUBLIC STATE OF COLORADO ANTONY PUBLI	(Name) (Name) (Signature in Full) On this 2/50 day of 1/2 cm/10 2016 bore me a notary public in and for the county of appeared Jeffrey McSchooler, 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 insurances as the advantagement and surposes therein set forth. ANTHONY MEDINA NOTATY IN 20054648173 My Commission Expires: (Name) Assignee: Mass Stephen Gration (Name) (Signature in Fulli) State of Colorado County of 1/2 cm/2 cm/2 cm/2 cm/2 cm/2 cm/2 cm/2 cm	(Name) (Signature in Full) On this 120 day of 120 day on behalf of the corporation. (Name) (Signature in Full)	SOLE		
Assignee: Max Stephen Gration Name Stephen Gration Name Stephen Gration Name Stephen Gration Name National Stephen Gration Name Name National Stephen Gration Name National Stephen Gration Name National Stephen Gration Name Name National Stephen Gration National Stephen Gra	Assignee: Max Stephen Gration Name Stephen Gration Name Stephen Gration Name N	Assignee: Max Stephen Gration Name Stephen Gration Name Stephen Gration Name N	nventor (1):		(Signature in Full)
Assignee: Max Stephen Gration (Name) State of Colorado County of Traffic Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. EASTER OF ASSIGNEE STATE COLORADO AND AND MEDINA AND THONY AND THONY MEDINA AND THONY MEDINA AND THONY MEDINA AND THONY	Assignee: Max Stephen Gration Name Stephen Gration Name Stephen Gration Name N	Assignee: Mass Stephen Gration (Name) State of Colorado County of Frequent was acknowledged before me this day of Day 2016 by Max Stephen Gration, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. **EASTERN OFRARA NOTARY PUBLIC** Assignee: Mass Stephen Gration (Name) State of Colorado County of Frequent was acknowledged before me this day of Day 2016 by Max Stephen Gration, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. **EASTERN OFRARA NOTARY PUBLIC** **ATTERN OF GLORA DO SANADO NOTARY PUBLIC** **ATT	On Anis 21	e day of <u>Alexandro</u> 2016,300 in the State of <u>Calena A</u>	ore me a notary public in and for the county of a appeared Jeffrey McSchooler, who is
STATE OF COLORADO NOTARY PUBLIC Assignee: Mass Simber Gration (Name) (Signature in Full) State of Colorado County of Mass acknowledged before me this Aday of Mass Similed liability company, on behalf of the corporation. **Example Colorado** Gration, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. **Example Colorado** Gration, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. **Example Colorado** **Example Colorado	STATE OF COLORADO NOTARY PUBLIC Assignee: Mass Signification (Name) (Signature in Full) State of Colorado County of Massigning Instrument was acknowledged before me this Aday of December 1990 by Max Stephen Gration, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. **EASTERN OFFICE STATE OF COLORADO My Commission Expires: October 1990 2017	STATE OF COLORADO NOTARY PUBLIC Assignee: Mass Simber Gration (Name) (Signature in Full) State of Colorado County of Mass acknowledged before me this Aday of Mass Similed liability company, on behalf of the corporation. **Example Colorado** Gration, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. **Example Colorado** Gration, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. **Example Colorado** **Example Colorado	oersonany kno seknowledged	ven to me to be ose same person whose that he signed, seals and delivered the same	issue is subscribed to the foregoing insumment, and insuring is 1 for soil because of foreign use and ANTHONY MEDINA
Assignee: Mex. Stocken Gration (Name) (Signature in Full) State of Colorado County of Assignature in State of Education (Signature in Full) The foregoing instrument was acknowledged before me this Aday of December 2016 by Max Stephen Gration, Sentor Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. **EATTLYNOTHARA NOTABLE STATE OF COLORADO My Commission Expires: 120 20 20 37 45 45 45 45 45 45 45 45 45 45 45 45 45	Assignee: Max Signien Gration (Name) (Signature in Full) State of Colorado County of Taranteent was acknowledged before me this 2 day of December 2016 by Max Stephen Gration, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. Latter of Colorado Ratter of 2016 by Max Stephen Gration, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. Ratter of Colorado	Assignee: Max Stocken Gration (Signature in Full)	<u> </u>	Hom Medina m Expres: <u>14/16/17</u>	STATE OF COLORADO NOTARY ID 20054948173 BY COMMESSON EXPRES DECEMBER IN 2017
(Name) (Signature in Pull) State of Cologado County of #7040000 The foregoing instrument was acknowledged before me this 2 day of \$\frac{1000}{2000}\) 2016 by Max Stephen Gratton, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. **LAMIN NOTHARA NO	(Name) (Signature in Pull) State of Colorado County of Tarabase 2016 by Max Stephen The foregoing instrument was acknowledged before me this 2 day of 2016 by Max Stephen Gratton, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. **EARTIN OTHER A NOTHER PURISHED STATE OF COLORATOO My Commission Expires: 2000000000000000000000000000000000000	(Name) (Signature in Pull) State of Cologado County of #TOFOIO & The foregoing instrument was acknowledged before me this #2 day of December 2016 by Max Stephen Gratton, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. **LATRIX O'MARA** NOTABLY SUBLECT My Commission Expires: **DEST 2017** **STATE OF COLORADO** My Commission Expires: **DEST 2017** **COLORADO** **MENT SO 200000773**	Notary Public	<u> </u>	
State of Cologado County of #724/2010 & The foregoing Instrument was acknowledged before me this #2 day of \$\int_{\inle\tiny{\int_{\int_	State of Colorado County of #76-46-66 The foregoing instrument was acknowledged before me this #2 day of \$\int_{\inl_{\int_{\int_{	State of Cologado County of Manager County C	Assignee:		(Signature in Euri)
Gration, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. LOLLON BHOTOL My Commission Expires: OLDEL 25, 2017 Washer State OF COLDE ADD	Gration, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. Later Office Control Representation of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. EARTHYN O'MARA NOTARE NOTARE OF COLORADO STATE OF COLORADO S	Gration, Senior Patent Counsel & Director of Echostar Technologies L.L.C., a Texas limited liability company, on behalf of the corporation. LOLLON OHATO My Commission Expires: OLDED LOS 2017 WY Commission Expires: OLDED LOS 2017		ido rufahol	
VOLTO Hara RATE OF COLORADO My Commission Expires: OCTO LS 2017 My Commission Expires: OCTO LS 2017 My Commission Expires: OCTO LS 2017	WOTARY FURLACE My Commission Expires: October 125, 2017 WY Commission Expires: October 125, 2017 WY Commission Expires: October 125, 2017	My Commission Expires: October 25 2017 WOTASY PUBLIC MATEOR COLORADO My Commission Expires: October 25 2017 WOTASY PUBLIC MATEOR COLORADO MY Commission Expires: October 25 2017	Gratton, Senio	r Palent Counsel & Director of Echostar Te	this 25 day of D2218 2016 by Max Stephen chnologies L.L.C., a Texas limited liability company.
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RECORDED: 11/17/2017