

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3876270

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARK B. HURST	05/23/2008
LOREN LARSEN	05/23/2008
DAVID S. ANDERSON	05/23/2008
LEI WANG	05/27/2008
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14531804
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NAME OF SUBMITTER:	BRETT A. CARLSON
SIGNATURE:	/Brett A. Carlson/
DATE SIGNED:	05/17/2016
Total Attachments: 9	
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source=20160517_Stmt373c_P2008-10-13-3#page3.tif

WHEN RECORDED RETURN TO:

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ATTORNEY DOCKET NO. 2840-003

ASSIGNMENT

WHEREAS, we, Mark B. Hurst (resident of Cedar Hills, Utah, whose postal mailing address is 796 East Utah Valley Drive, American Fork, UT 84003), Loren Larsen (resident of American Fork, Utah, whose postal mailing address is 796 East Utah Valley Drive, American Fork, UT 84003), David S. Anderson (resident of Salt Lake City, Utah, whose postal mailing address is 796 East Utah Valley Drive, American Fork, UT 84003), and Lei Wang (resident of Provo, Utah, whose postal mailing address is 577 Wymount Terrace, Provo, UT 84604) (hereinafter "Assignors") have invented a certain new and useful improvement in a SYSTEM AND METHOD OF MINIMIZING NETWORK BANDWIDTH RETRIEVED FROM AN EXTERNAL NETWORK for which an application for United States Letters Patent is being filed concurrently herewith OR which was filed on March 10, 2008 as THORPE NORTH & WESTERN, LLP Docket No. 2840-003, and given U.S. Patent Application Serial No. 12/075,475; and

WHEREAS, Move Networks, Inc., a corporation organized and existing under the laws of the State of Utah, having a business address of 796 East Utah Valley Drive, American Fork, UT 84003, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of one dollar (\$1.00) and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency whereof is hereby acknowledged, we the said Assignors, hereby grant and assign unto the said Assignee, our entire right, title and interest in said invention and in all patent applications based thereon, including but not limited to the above identified United States Patent Application and in all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of Letters


Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries; the right, power and authority to file and prosecute U.S. and foreign patent applications on said invention, and to do so in its own name wherever such right may be legally exercised, and including the right to claim the priority and benefits of the International Convention for such applications; and the right to bring actions for infringement of any right in said invention in its own name, including past infringement, in any jurisdiction.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all Letters Patent on said invention to the said Assignee as the owner of our entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following: prompt execution of all original, divisional, substitution, reissue, and other United States and foreign patent applications on said invention, and all lawful documents as requested by the Assignee to further the prosecution of any of such patent applications; cooperation to the best of our ability including, but not limited to, the execution of all lawful documents, the production of evidence in any actions or proceedings concerning the invention, including, but not limited to, nullification, reissuing, extension, and infringement proceedings involving said invention.

Assignment of US Patent Application
Atty Docket No: 2840-001
Page 4 of 6

Executed this 23rd day of May, 2008 at AMERICAN FORK
(place)


Loren Larsen

STATE OF _____)
County of _____) ss

Before me personally appeared Loren Larsen and acknowledged the foregoing instrument
to be his free act and deed this _____ day of _____, 2008.

Notary Public

Assignment of US Patent Application
Atty Docket No: 2840-001
Page 5 of 6

Executed this 23 day of MAY, 2008 at AMERICAN FORK, UT
(place)


David S. Anderson

STATE OF _____)
; ss
County of _____)

Before me personally appeared David S. Anderson and acknowledged the foregoing
instrument to be his free act and deed this _____ day of _____, 2008.

Notary Public

Executed this 27 day of may, 2008 at Sandy, Utah
_____(place)

Lei Wang
Lei Wang

STATE OF Utah)
County of Salt Lake) : ss

Before me personally appeared Lei Wang and acknowledged the foregoing instrument to be her free act and deed this 27th day of may 2008.

Linda A. Rich
Notary Public

document in prolaw



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)Applicant/Patent Owner: Echostar Technologies L.L.C.Application No./Patent No.: 14/531,804Filed/Issue Date: November 3, 2014Titled: SYSTEM AND METHOD FOR MINIMIZING NETWORK BANDWIDTH RETRIEVED FROM AN EXTERNAL NETWORKEchostar Technologies L.L.C., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☒ The assignee of the entire right, title, and interest.
2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):
- ☐ The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Mark B. Hurst, Loren Larsen, David S. Anderson, and Lei Wang To: Move Networks, Inc.The document was recorded in the United States Patent and Trademark Office at
Reel 021002, Frame 0035, or for which a copy thereof is attached.2. From: Move Networks, Inc. To: Echostar Advanced Technologies L.L.C.The document was recorded in the United States Patent and Trademark Office at
Reel 025570, Frame 0047, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PATENT**REEL: 038722 FRAME: 0928**

STATEMENT UNDER 37 CFR 3.73(c)

3. From: Echostar Advanced Technologies L.L.C. To: Dish Digital L.L.C.

The document was recorded in the United States Patent and Trademark Office at
Reel 029894, Frame 0512, or for which a copy thereof is attached.

4. From: Dish Digital L.L.C. To: Echostar Technologies L.L.C.

The document was recorded in the United States Patent and Trademark Office at
Reel 033470, Frame 0726, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☐ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Brett A. Carlson/

Signature

Brett A. Carlson

Printed or Typed Name

May 17, 2016

Date

39928

Title or Registration Number

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.