

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2709044

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ROBERT GLENN DEEN</td> <td>01/30/2013</td> </tr> <tr> <td>MICHAEL SHANE WILKINSON</td> <td>01/30/2014</td> </tr> <tr> <td>BRAXTON PAUL PERKINS</td> <td>01/30/2014</td> </tr> </tbody> </table>		Name	Execution Date	ROBERT GLENN DEEN	01/30/2013	MICHAEL SHANE WILKINSON	01/30/2014	BRAXTON PAUL PERKINS	01/30/2014		
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ROBERT GLENN DEEN	01/30/2013										
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BRAXTON PAUL PERKINS	01/30/2014										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>NBCUniversal Media LLC</td> </tr> <tr> <td>Street Address:</td> <td>30 Rockefeller</td> </tr> <tr> <td>City:</td> <td>New York</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10112</td> </tr> </table>		Name:	NBCUniversal Media LLC	Street Address:	30 Rockefeller	City:	New York	State/Country:	NEW YORK	Postal Code:	10112
Name:	NBCUniversal Media LLC										
Street Address:	30 Rockefeller										
City:	New York										
State/Country:	NEW YORK										
Postal Code:	10112										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14170180</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14170180						
Property Type	Number										
Application Number:	14170180										
CORRESPONDENCE DATA											
Fax Number:	(281)970-4503										
Phone:	281-970-4545										
Email:	wimmer@fyiplaw.com, shepard@fyiplaw.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	NBCUNIVERSAL MEDIA LLC C/O FLETCHERYODER										
Address Line 1:	P.O. BOX 692289										
Address Line 4:	HOUSTON, TEXAS 77269-2289										
ATTORNEY DOCKET NUMBER:	NBCU:0108										
NAME OF SUBMITTER:	LANCE G. WIMMER										
Signature:	/Lance G. Wimmer/										
Date:	01/31/2014										

PATENT

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 7**

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## ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to NBCUniversal Media, LLC (the "Assignee"), a Delaware limited liability company, having a place of business at 30 Rockefeller Plaza, New York, New York 10112, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions and improvements which are disclosed in the application for United States Letters Patent, which is entitled "**FINGERPRINT-DEFINED SEGMENT-BASED CONTENT DELIVERY**," and which may be further identified below, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States, including all provisional and non-provisional applications, and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST that any attorney associated with PTO Customer No. 12640 may delete, insert, or alter any information identifying this application, or any related application, below after execution of this assignment;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and without further consideration, but at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.


### Additional Application Information

U.S. Provisional Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.

U.S. Non-Provisional Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.

International Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.

INVENTOR:

  
\_\_\_\_\_  
Robert Glenn Deen

Date: 1-30-14

STATE OF           )  
                          ) §§.  
COUNTY OF       )

This \_\_\_\_\_ day of \_\_\_\_\_, 2014 before me personally came the above-named Robert Glenn Deen, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

*see attached certificate*

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

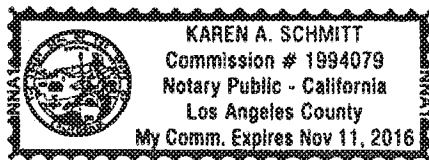
CIVIL CODE § 1189

State of California

County of Los Angeles

On January 30, 2014 before me, Karen A. Schmitt, Notary Public  
Date Here Insert Name and Title of the Officer

personally appeared Robert Glenn Deen  
Name(s) of Signer(s)



who proved to me on the basis of satisfactory evidence to be the person ~~wh~~ whose name ~~is~~ is/ ~~was~~ 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 ~~on~~ on the instrument the person ~~or~~, or the entity upon behalf of which the person ~~acted~~ 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.

Place Notary Seal Above

Signature: Karen A. Schmitt  
Signature of Notary Public

## OPTIONAL

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

### Description of Attached Document

Title or Type of Document: Patent Assignment 311042-3

Document Date: January 30, 2014 Number of Pages: 4

Signer(s) Other Than Named Above: N/A

### Capacity(ies) Claimed by Signer(s)

Signer's Name: Robert Glenn Deen

☐ Corporate Officer — Title(s): \_\_\_\_\_

☒ Individual

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Individual

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here

PATENT

REEL: 032110 FRAME: 0415

INVENTOR:

Michael Shane Wilkinson  
Michael Shane Wilkinson

Date: 1/30/14

STATE OF )  
                  ) §§.  
COUNTY OF )

This \_\_\_\_\_ day of \_\_\_\_\_, 2014 before me personally came the above-named Michael Shane Wilkinson, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

*see attached certificate*

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CIVIL CODE § 1169

State of California

County of Los Angeles

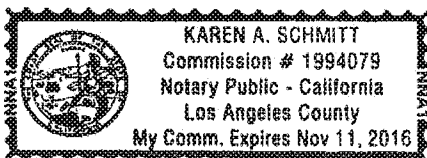
On January 30, 2014 before me, Karen A. Schmitt, Notary Public

Date

Here Insert Name and Title of the Officer

personally appeared Michael Shane Wilkinson

Name(s) of Signer(s)



who proved to me on the basis of satisfactory evidence to be the person ☒ whose name ☒ is/ ~~are~~ subscribed to the within instrument and acknowledged to me that he/ ~~she/it~~ executed the same in his/ ~~her/its~~ authorized capacity ☒, and that by his/ ~~her/its~~ signature ☒ on the instrument the person ☒, or the entity upon behalf of which the person ☒ 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.

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☒ Individual

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

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☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here

PATENT

REEL: 032110 FRAME: 0417

INVENTOR:

Braxton Paul Perkins  
Braxton Paul Perkins

Date: 30 Jan 2014

STATE OF

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, 2014 before me personally came the above-named Braxton Paul Perkins, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

*see attached certificate*



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State of California

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Date

Here Insert Name and Title of the Officer

personally appeared Braxton Paul Perkins

Name(s) of Signer(s)



who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/ she/ it executed the same in his/ her/ its authorized capacity, and that by his/ her/ its signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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Signer's Name: Braxton Paul Perkins

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☒ Individual

☐ Individual

☐ Partner — ☐ Limited ☐ General

☐ Partner — ☐ Limited ☐ General

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☐ Trustee

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☐ Guardian or Conservator

☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

PATENT

RECORDED: 01/31/2014

REEL: 032110 FRAME: 0419