# 502662436 01/31/2014

## 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**

Name	Execution Date
ROBERT GLENN DEEN	01/30/2013
MICHAEL SHANE WILKINSON	01/30/2014
BRAXTON PAUL PERKINS	01/30/2014

## **RECEIVING PARTY DATA**

Name:	NBCUniversal Media LLC
Street Address:	30 Rockefeller
City:	New York
State/Country:	NEW YORK
Postal Code:	10112

# PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14170180

## **CORRESPONDENCE DATA**

Fax Number:(281)970-4503Phone:281-970-4545

Email: wimmer@fyiplaw.com, shepard@fyiplaw.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

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 <b>PATENT</b>

502662436 REEL: 032110 FRAME: 0411

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

#### Total Attachments: 7

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PATENT REEL: 032110 FRAME: 0412

### 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.

Addition	al Application Information	
U.S. Provisional Application Serial No.	, filed on	<u>.</u> ,
U.S. Non-Provisional Application Serial No.	, filed on	<u>.</u> '
International Application Serial No.	, filed on	
	'	

PATENT REEL: 032110 FRAME: 0413

INVENTOR:				
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Robert Glenn Deen	AND THE PROPERTY OF THE PROPER		Andrew La	
STATE OF	)			
COUNTY OF	) §§. )			
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to me personally know	wn as the individual who execy	nted the foregoing assig	gnment, who	ve-named Robert Glenn-Deen, icknowledged to me that he/she
executed the same of h	his/her own free will for the pur	rposes therein set forth.	. /	
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State of California	
County ofLos Angeles	
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	Karen A. Schmitt, Notary Public  Here Insert Name and Title of the Officer
personally appeared <u>Robert</u>	Glenn Deen Name(s) of Signer(s)
KAREN A. SCHMITT Commission # 1994079 Notary Public - California Los Angeles County My Comm. Expires Nov 11, 2016	who proved to me on the basis of satisfactor evidence to be the person whose name is is subscribed to the within instrument and acknowledge to me that he executed the same is his/within authorized capacity(****), and that be his/within signature on the instrument 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.
Though the information below is not required	Signature: Signature of Notary Public  PTIONAL  by law, it may prove valuable to persons relying on the document yeal and reattachment of this form to another document.
Title or Type of Document: Patent Assi	
Document Date: January 30, 2014	Number of Pages: 4
Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer(s)	N/A
Signer's Name: Robert Glenn Deen	Signer's Name:
☐ Corporate Officer — Title(s): ☐ Individual ☐ Partner — ☐ Limited ☐ General ☐ Attorney in Fact ☐ Trustee ☐ Guardian or Conservator ☐ Other:	Number of Pages:4  N/A  Signer's Name:
Signer is Representing:	Signer Is Representing:

INVENTOR:

WELTHI	Date:1/30/14
Michael Shane Wilkinson	Date.
•	
STATE OF )	
COUNTY OF ) §§.	
This day of Wilkinson, to me personally known as the indivitat he/she executed the same of his/her own free	, 2014 before me personally came the above-named Michael Shafie vidual who executed the foregoing assignment, who acknowledged to me e will for the purposes therein set forth.
Seal	(Notary Public)
see at	Howhed certificate

PATENT REEL: 032110 FRAME: 0416

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County of Los Angeles	r	80 <del>7</del>	
	(A NOC (inches a Manufarth A Angenous announce)	<b>)</b>	
Onjanuary 30, 2014 Defor	e me, <u>Kar</u>	ren A. Schmitt, Notary Publi Here Insert Name and Tille of the Officer	<u>.c</u>
personally appeared	Michael Shar	ne Wilkinson Name(s) of Signer(s)	
KAREN A. SCHN Commission # 19 Notary Public - Ca. Los Angeles Co. My Comm. Expires Not	0117 94079 81fornia Na unty 11, 2016	who proved to me on the basis evidence to be the person whose subscribed to the within instrument and o me that he/ executed nis/ executed apacity(is) nis/ signature on the interson acted, executed the instrument acted, executed the instrument certify under PENALTY OF PERJU	name (3) is/set is acknowledge the same is, and that be not much the for which the lent.
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(Notary Public)

State of California	<b>D</b>
County of Los Angeles	500 CO
On January 30, 2014 before me,	Karen A. Schmitt, Notary Public Here insert Name and Tille of the Officer
personally appearedBraxton F	Paul Perkins
	Name(s) of Signer(s)
•	who proved to me on the basis of satisfactory
	evidence to be the person(s) whose name(s) is/see subscribed to the within instrument and acknowledged
	to me that he
KAREN A. SCHMITT	his/har authorized capacity(har), and that by
Commission # 1994079	his/how/### signature on the instrument the
Notary Public - Gallfornia Los Angeles County	person(a), or the entity upon behalf of which the person(a) acted, executed the instrument.
My Comm. Expires Nov 11, 201	I certify under PENALTY OF PERJURY under the
	laws of the State of California that the foregoing
•	paragraph is true and correct.
	WITNESS my bond and official and
	WITNESS my hand and official seal.
	Simology Barrell Charles
Place Notary Seal Above	Signature: J. Signature of Notary Public
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and could prevent traudulent rem	oval and reattachment of this form to another document,
Description of Attached Document	•
Title or Type of Document: Patent Ass	
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n,	Lns Signer's Name:
Signer's Name: <u>Braxton Paul Perk</u>	☐ Corporate Officer — Title(s):
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Signer's Name: <u>Braxton Paul Perks</u> Corporate Officer — Title(s):	Individual
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Signer's Name: <u>Braxton Paul Perks</u> Corporate Officer — Title(s):	☐ Individual  ☐ Partner — ☐ Limited ☐ General ☐ Attorney in Fact ☐ Trustee ☐ Guardian or Conservator ☐ Other:
Signer's Name: <u>Braxton Paul Perks</u> Corporate Officer — Title(s):  Individual Partner — Limited General Attorney in Fact Trustee Guardian or Conservator Other:	Individual  Indiv
Signer's Name: Braxton Paul Perk:  Corporate Officer — Title(s):	☐ Individual  ☐ Partner — ☐ Limited ☐ General ☐ Attorney in Fact ☐ Trustee ☐ Guardian or Conservator ☐ Other: ☐ Signer is Representing:
Signer's Name: <u>Braxton Paul Perks</u> Corporate Officer — Title(s):  Individual Partner — Limited General Attorney in Fact Trustee Guardian or Conservator Other: Gigner Is Representing:	Ins Signer's Name:  Corporate Officer — Title(s):  Individual Partner — Limited General Attorney in Fact Grardian or Conservator Other: Signer is Representing:  Hight trumepaint Of Signer Top of thumb here

**RECORDED: 01/31/2014**