PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3169777

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NICHOLAS DANIEL DOERRING	12/30/2014
STEVEN J. SZYMANSKI	12/30/2014
CLAES GEORG ANDERSON	12/30/2014
JOHN MICHAEL TEIXEIRA	12/30/2014

RECEIVING PARTY DATA

Name:	OPENTV, INC.
Street Address:	485 CLYDE AVENUE
City:	MOUNTAIN VIEW
State/Country:	CALIFORNIA
Postal Code:	94043

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14587926

CORRESPONDENCE DATA

Fax Number: (212)588-0500

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: 212-588-0800

Email: ngraham@flhlaw.com **Correspondent Name:** BRIAN M. MCGUIRE

Address Line 1: FROMMER LAWRENCE & HAUG LLP

Address Line 2: 745 FIFTH AVENUE

Address Line 4: **NEW YORK, NEW YORK 10151**

ATTORNEY DOCKET NUMBER:	1363013-2003
NAME OF SUBMITTER:	BRIAN M. MCGUIRE
SIGNATURE:	/Brian M. McGuire/
DATE SIGNED:	01/05/2015

Total Attachments: 12 source=01507286#page1.tif source=01507286#page2.tif

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Docket No.: 1363013-2003 (PATENT)

	Application of: niel Doerring et al.	
Application	No.: To Be Assigned	Confirmation No.: To Be Assigned
Filed: Conc	urrently Herewith	
	IFYING AND CATEGORIZING JAL DATA FOR MEDIA	}
	er for Patents	
P.O. Box 14: Alexandria,	>0 VA 22313-1450	
U	***************************************	SSIGNMENT BY INVENTOR FECTIVE ON SEPTEMBER 16, 2012
John Steve	olas Daniel Doerring of San Fran Michael Teixeira of Oakland, Ca en J. Szymanski of San Jose, Cali s Georg Andersson of Berkeley, C	lifornia USA; fornia USA
Herel	by declares that:	
	clieve I am the sole original inve- a patent application entitled:	ntor or an original joint inventor of a claimed
m	ENTIFYING AND CATEGORIZ	ING CONTEXTUAL DATA FOR MEDIA
the sp	pecification of which:	
Ø	is attached hereto, bearing Atto concurrently herewith, or	mney Docket No. 1363013-2003 and filed
	was filed at the U.S. Patent and Application Serial No.	I Trademark Office on as
	nade, authorized to make, or will ation at the U.S. Patent and Trad-	make or authorize to make the above-identified emark Office.
3. I h neluding the		contents of the above-identified patent application
		81306233.000

First Named Inventor: Nicholas Daniel Doerring et al.

Serial No.: To Be Assigned Filed: Concurrently Herewith

Page :2 of 3

4. I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

5. I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 USC §1001 by fine or imprisonment of not more than five (5) years, or both.

6. ASSIGNMENT

I hereby assign to OpenTV, Inc., a corporation of the United States of America, having a place of business at 485 Clyde Avenue, Mountain View, California 94043 USA, its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in any and all inventions and improvements which are described in an application for United States Patent.

This assignment includes the entire right, title and interest in said application, all legal equivalents thereof in any country, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements, including, but not limited to, all divisions, continuations, reissues, reexamination certificates, any and all certificates issued in any post-grant proceeding, and extensions of said applications and patents of the United States, foreign patents, utility models, and design registrations, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and the right to seek relief and recover all damages, including, but not limited to, a reasonable royalty, by reason of infringement or any other violation of patent or patent application rights. I authorize the Assignee to apply in all countries in my name or in the name of the Assignee for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

In addition, I hereby confirm the sale, assignment, and transfer to the Assignee of the entire right, title and interest throughout the world in said inventions and improvements that occurred by operation of an employment agreement between me and the Assignee existing at the time said inventions and improvements were made. Should I have any remaining interest, I hereby sell, assign, and transfer any right, title and interest I may have in said inventions and improvements anywhere in the world to the Assignee.

The foregoing assignments, sale and transfer have been made for good and valuable consideration, the receipt of which is hereby acknowledged.

I hereby represent and covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with the assignment of said inventions and improvements to the Assignee.

I further covenant for myself and my respective heirs, legal representatives and assigns, to assist the Assignee in handling various procedures, tasks and documentation in connection with this assignment, including, but not limited to, providing to the Assignee promptly upon the request of the Assignee all pertinent facts and documents relating to said invention and improvements, and said patents, said legal equivalents or other legal instrument as may be

01506233.000

First Named Inventor: Nicholas Daniel Doerring et al.

Serial No. : To Be Assigned Filed : Concurrently Herewith

Page :3 of 3

known and accessible to me and testifying as to the same in any interference, litigation, or proceeding relating thereto, and promptly executing and delivering to the Assignee or its legal representative any and all papers, documents, instruments or affidavits in connection with obtaining, maintaining, issuing or enforcing said application, said inventions and improvements, and said patents, said equivalents and other legal instrument which may be necessary or desirable to carry out the purposes thereof.

- 7. I hereby authorize and request the Commissioner of Patents and Trademarks to issue one or more patents in the United States for said inventions and improvements to OpenTV, Inc. as assignee of the entire interest, for the sole use and benefit of Assignee, its successors and assigns.
- 8. I am competent to execute the above declaration and assignment. I hereby have duly executed the declaration and assignment below with my name.

Full name of 1st inventor: Nicholas Daniel Doerring	
Inventor's signature: Male Jacq Period	
Date: 12-30-2014	
Full name of 2 nd joint inventor: <u>John Michael Teixeira</u> Inventor's signature:	
Date:	
Full name of 3 rd joint inventor: <u>Steven J. Szymanski</u>	
Inventor's signature:	
Full name of 4th joint inventor: <u>Claes Georg Andersson</u>	
Inventor's signature:	
Date:	

01506233-000

Attorney Docket No. 1363013-2003

Docket No.: 1363013-2003

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

		A ARM I CARRINGMENT OF THE
In re Patent Appli Nicholas Daniel I	ication of: Doerring et al.	<u></u>
Application No.:	To Be Assigned	Confirmation No.: To Be Assigned
Filed: Concurren	tly Herewith	
	ING AND CATEGORIZING DATA FOR MEDIA	
Commissioner for P.O. Box 1450 Alexandria, VA		
UNDE	DECLARATION AND ASSI R RULE 37 CFR \$1.63 EFFE	GNMENT BY INVENTOR CTIVE ON SEPTEMBER 16, 2012
John Mich Steven J.	Daniel Doerring of San Francisc nael Teixeira of Oakland, Califo Szymanski of San Jose, Californ org Andersson of Berkeley, Calif	rnia USA; nia USA
Hereby de	eclares that:	
	e I am the sole original inventor ent application entitled:	or an original joint inventor of a claimed
IDENT	IFYING AND CATEGORIZING	CONTEXTUAL DATA FOR MEDIA
the specifi	ication of which:	
	attached hereto, bearing Attorne ncurrently herewith, or	by Docket No. 1363013-2003 and filed
7,1111	ns filed at the U.S. Patent and Troplication Serial No.	ademark Office on, as
	authorized to make, or will mal at the U.S. Patent and Tradema	ke or authorize to make the above-identified ark Office.

3. I have reviewed and understand the contents of the above-identified patent application

including the claims.

01506233.DQC

First Named Inventor: Nicholas Daniel Doerring et al.

Serial No. : To Be Assigned Filed : Concurrently Herewith

Page : 2 of 3

4. I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

5. I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 USC §1001 by fine or imprisonment of not more than five (5) years, or both.

6. ASSIGNMENT

I hereby assign to OpenTV, Inc., a corporation of the United States of America, having a place of business at 485 Clyde Avenue, Mountain View, California 94043 USA, its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in any and all inventions and improvements which are described in an application for United States Patent.

This assignment includes the entire right, title and interest in said application, all legal equivalents thereof in any country, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements, including, but not limited to, all divisions, continuations, reissues, reexamination certificates, any and all certificates issued in any post-grant proceeding, and extensions of said applications and patents of the United States, foreign patents, utility models, and design registrations, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and the right to seek relief and recover all damages, including, but not limited to, a reasonable royalty, by reason of infringement or any other violation of patent or patent application rights. I authorize the Assignee to apply in all countries in my name or in the name of the Assignee for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

In addition, I hereby confirm the sale, assignment, and transfer to the Assignee of the entire right, title and interest throughout the world in said inventions and improvements that occurred by operation of an employment agreement between me and the Assignee existing at the time said inventions and improvements were made. Should I have any remaining interest, I hereby sell, assign, and transfer any right, title and interest I may have in said inventions and improvements anywhere in the world to the Assignee.

The foregoing assignments, sale and transfer have been made for good and valuable consideration, the receipt of which is hereby acknowledged.

I hereby represent and covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with the assignment of said inventions and improvements to the Assignee.

I further covenant for myself and my respective heirs, legal representatives and assigns, to assist the Assignee in handling various procedures, tasks and documentation in connection with this assignment, including, but not limited to, providing to the Assignee promptly upon the request of the Assignee all pertinent facts and documents relating to said invention and improvements, and said patents, said legal equivalents or other legal instrument as may be

First Named Inventor: Nicholas Daniel Doerring et al.

Serial No.: To Be Assigned
Filed: Concurrently Herewith

Page : 3 of 3

known and accessible to me and testifying as to the same in any interference, litigation, or proceeding relating thereto, and promptly executing and delivering to the Assignee or its legal representative any and all papers, documents, instruments or affidavits in connection with obtaining, maintaining, issuing or enforcing said application, said inventions and improvements, and said patents, said equivalents and other legal instrument which may be necessary or desirable to carry out the purposes thereof.

- 7. I hereby authorize and request the Commissioner of Patents and Trademarks to issue one or more patents in the United States for said inventions and improvements to OpenTV, Inc. as assignee of the entire interest, for the sole use and benefit of Assignee, its successors and assigns.
- 8. I am competent to execute the above declaration and assignment. I hereby have duly executed the declaration and assignment below with my name.

Full name of 1 st inventor: Nicholas Daniel Doerring
Inventor's signature:
Date:
Full name of 2 nd joint inventor: <u>John Michael Teixeira</u>
Inventor's signature:
Date:
Full name of 3 rd joint inventor: <u>Steven J. Szymanski</u>
Inventor's signature:
Date: 12/30/14
Full name of 4 th joint inventor: <u>Claes Georg Andersson</u>
Inventor's signature:
Date:

01506233.DOC

Attorney Docket No. 1363013-2003

Docket No.: 1363013-2003 (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent A	pplication of:	
Nicholas Dani	iel Doerring et al.	
Application N	lo.: To Be Assigned	Confirmation No.: To Be Assigned
Filed: Concu	rrently Herewith	
	FYING AND CATEGORIZING AL DATA FOR MEDIA	
Commissione P.O. Box 1450 Alexandria, V		
<u>UN</u>	DECLARATION AND ASSIGNME IDER RULE 37 CFR §1.63 EFFECTIVE	
John N Stever	las Daniel Doerring of San Francisco, California US. J. Szymanski of San Jose, California USA Georg Andersson of Berkeley, California U	A;
Hereb	y declares that:	
	elieve I am the sole original inventor or an or patent application entitled:	riginal joint inventor of a claimed
IDE	ENTIFYING AND CATEGORIZING CONT	EXTUAL DATA FOR MEDIA
the sp	ecification of which:	
	is attached hereto, bearing Attorney Docke concurrently herewith, or	et No. 1363013-2003 and filed
	was filed at the U.S. Patent and Trademark Application Serial No.	k Office on, as
	ade, authorized to make, or will make or au ation at the U.S. Patent and Trademark Offic	
3. I ha	ave reviewed and understand the contents of	the above-identified patent application

including the claims.

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First Named Inventor: Nicholas Daniel Doerring et al.

Serial No.: To Be Assigned
Filed: Concurrently Herewith

Page : 2 of 3

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First Named Inventor: Nicholas Daniel Doerring et al. Attorney Docket No. 1363013-2003

Serial No.: To Be Assigned
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Page : 3 of 3

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Inventor's signature:
Date:
Full name of 3 rd joint inventor: <u>Steven J. Szymanski</u>
Inventor's signature:
Date:
Full name of 4 th joint inventor: <u>Claes Georg Andersson</u>
Inventor's signature:
Date: Dec 30, 2014

Docket No.: 1363013-2003

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

	application of: tiel Doerring et al.	nine.	
Application N	No.: To Be Assigned	Confirmation No.: T	o Be Assigned
Filed: Concu	rrently Herewith		
	IFYING AND CATEGORIZING AL DATA FOR MEDIA	 .	
Commissione P.O. Box 145 Alexandria, V			
UN	DECLARATION AND ASSIGNM NDER RULE 37 CFR \$1.63 EFFECTIV	NOODOON CONTRACTOR CON	<u>6, 2012</u>
John M Stever	olas Daniel Doerring of San Francisco, Ca Michael Teixeira of Oakland, California U n J. Szymanski of San Jose, California US Georg Andersson of Berkeley, California	JSA; SA	
Hereb	y declares that:		
	elieve I am the sole original inventor or an apparent application entitled:	ı original joint inventor o	of a claimed
IDE	ENTIFYING AND CATEGORIZING CON	STEXTUAL DATA FOR	MEDIA
the sp	ecification of which:		
	is attached hereto, bearing Attorney Doc concurrently herewith, or	eket No. 1363013-2003 a	and filed
	was filed at the U.S. Patent and Tradem Application Serial No.	ark Office on	, as
	ade, authorized to make, or will make or ation at the U.S. Patent and Trademark Of		ove-identified
3. I ha	ave reviewed and understand the contents	of the above-identified p	patent application

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First Named Inventor: Nicholas Daniel Doerring et al.

Serial No. : To Be Assigned Filed : Concurrently Herewith

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Full name of 1" inventor: Nicholas Daniel Doerring			
Inventor's signature:			
Date:			
Full name of 2 nd joint inventor: John Michael Teixeira Inventor's signature: July 12-30 2014 Date: 12-30 2014			
Full name of 3 rd joint inventor: <u>Steven J. Szymanski</u>			
Inventor's signature:			
Date:			
Full name of 4th joint inventor: Claes Georg Andersson			
Inventor's signature:			
Date:			