504435036 06/28/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4481737

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DEBRA HENSGEN	05/28/2013
LUDOVIC PIERRE	05/29/2013
MARTIN GIBSON	05/28/2013
NANDINI IYER	05/28/2013
JEAN-RENE MENAND	05/28/2013
SEBASTIAN RAPPORT	05/28/2013

RECEIVING PARTY DATA

Name:	OPENTV, INC.
Street Address:	275 SACRAMENTO STREET
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94111

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15635455

CORRESPONDENCE DATA

Fax Number:

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.

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER/OPEN TV

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0938

ATTORNEY DOCKET NUMBER:	2050.272US3
NAME OF SUBMITTER:	MICHELLE VOTH
SIGNATURE:	/Michelle Voth/
DATE SIGNED:	06/28/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 504435036 REEL: 042845 FRAME: 0084

Total Attachments: 8 source=2050.272US3 - Assignment#page1.tif source=2050.272US3 - Assignment#page2.tif source=2050.272US3 - Assignment#page3.tif source=2050.272US3 - Assignment#page4.tif source=2050.272US3 - Assignment#page5.tif source=2050.272US3 - Assignment#page6.tif

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PATENT REEL: 042845 FRAME: 0085

Docket No.:2050.272US1 (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE In re Patent Application of: Debra Hensgen et al. Confirmation No.: Unknown Application No.: Unknown Filed: Herewith For: SYNCHRONIZING AN APPLICATION ON A COMPANION DEVICE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 DECLARATION AND ASSIGNMENT BY INVENTOR UNDER RULE 37 CFR §1.63 EFFECTIVE ON STEPTEMBER 16, 2012 We, Debra Hensgen of San Juse (state or country) Fran(C Ludovic Pierre of Pheis Martin Gibson of SARATOGA Nandini Iyer of SAN FRANUSCO, CALIFORNIA (cuy) Jean-Rene Menand of Los ALTOS , CALI FORNIA (some or conserv): <u>Latte (nia</u>, hereby declare that; Sebastian Rapport of **SUMMY** 1. We believe we are the original joint inventors of a claimed invention in a patent application entitled: SYNCHRONIZING AN APPLICATION ON A COMPANION DEVICE a patent application for which: was filed at the U.S. Patent and Trademark Office on even date herewith, as

Application Serial No. 13/905, 779 and identified as Attorney Docket No. 2050.272US1.

PATENT REEL: 042845 FRAME: 0086 Inventor 5 Debra Hensgen et al. Docket No.: 2050.272US1

Serial No. 5 Unknown Filed 8 Herewith Page 2 of 4

We made, authorized to make, or will make or authorize to make, and hereby do make and authorize to make, the above-identified patent application at the U.S. Patent and Trademark Office.

- 3. We have reviewed and understand the contents of the above-identified patent application, including the claims.
- 4. We are 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. We 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

We hereby assign to OpenTV, Inc., a corporation of Delaware, having a place of business at 275 Sacramento Street, 94111, San Francisco, California, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest in an application for United States Patent, entitled SYNCHRONIZING AN APPLICATION ON A COMPANION DEVICE, filed herewith, and assigned U.S. Serial Number 13/905.779 (the "Application"), together with the entire right, title, and interest throughout the world in any and all inventions and improvements which are described in the Application.

This assignment includes the entire right, title and interest in the Application, all legal equivalents and corresponding applications 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 patents, utility models, and design registrations, and certificates granted on all divisional, continuation (including continuation-in-part), reissue, and reexamination applications, any and all certificates and other documents 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 the 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. We authorize the Assignee to apply in all countries in our names 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, we 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 us and the Assignee existing at the time said inventions and improvements were made. Should we have any remaining right, title or interest in or to said inventions and improvements anywhere in the world, we hereby sell, assign, and transfer such remaining right, title and interest to the Assignee.

Inventor 👙 Debra Hensgen et al. Docket No.: 2050.272US!

Serial No. 5 Unknown Filed 5 Herewith Page 5 3 of 4

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

We 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.

We further covenant for ourselves and our 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 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. We 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. We are competent to execute the above declaration and assignment. We hereby have duly executed the declaration and assignment below with our names.

Inventor's signature: 049 Date: 2877 as 2013
Full name of inventor: Ludovic Pierre
 Inventor's signature:
Date:

Inventor Debra Hensgen et al. Docket No.: 2050,272US1
Serial No.: Unknown

Filed : Herewith Page : 4 of 4

Full name of inventor: Martin Gibson

Inventor's signature;

Date: 28 May 2013

Full name of inventor: Nandini Iyer

Inventor's signature; Nandini Iyer

Date: 28 May 2013

Full name of inventor: Jean-Rene Menand

Inventor's signature:

Date: 28 2013

Full name of inventor: Sebastian Bapport

Inventor's signature:

Date: May 28, Zul3

Docket No.:2050.272US1 (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	
Debra Hensgen et al.	
Application No.: Unknown	Confirmation No.: Unknown
Filed: Herewith	
For: SYNCHRONIZING AN APPLICATION ON A	
COMPANION DEVICE	
Commissioner for Patents	
P.O. Box 1450	

DECLARATION AND ASSIGNMENT BY INVENTOR UNDER RULE 37 CFR §1.63 EFFECTIVE ON STEPTEMBER 16, 2012

We, Debra Hensgen	of	
Ludovic Pierre of	(city)	(season country) FRAUCE
	(city)	(state or country)
Martin Gibson of		**************************************
Nandini Iyer of	(bity)	(sinte or country)
		(state or country)
Jean-Rene Menand	of	and
	(city)	(state or country)
Sebastian Rapport of	of	hereby declare that
	(city)	(state or enumy)

1. We believe we are the original joint inventors of a claimed invention in a patent application entitled:

SYNCHRONIZING AN APPLICATION ON A COMPANION DEVICE

a patent application for which:

Alexandria, VA 22313-1450

was filed at the U.S. Patent and Trademark Office on even date herewith, as Application Serial No. 13/905,779 , and identified as Attorney Docket No. 2050.272US1.

LP

Inventor : Debra Henagen et al. Docket No.: 2050,272US1

Serial No. : Unknown Filed : Herewith Page : 2 of 4

 We made, authorized to make, or will make or authorize to make, and hereby do make and authorize to make, the above-identified patent application at the U.S. Patent and Trademark Office.

- We have reviewed and understand the contents of the above-identified patent application, including the claims.
- 4. We are 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. We 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

We hereby assign to OpenTV, Inc., a corporation of Delaware, having a place of business at 275 Sacramento Street, 94111, San Francisco, California, and its successors and assigns (collectively hereinafter called 'the Assignee'), the entire right, title and interest in an application for United States Patent, entitled SYNCHRONIZING AN APPLICATION ON A COMPANION DEVICE, filed herewith, and assigned U.S. Serial Number 13/905, 779 (the "Application"), together with the entire right, title, and interest throughout the world in any and all inventions and improvements which are described in the Application.

This assignment includes the entire right, title and interest in the Application, all legal equivalents and corresponding applications 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 patents, utility models, and design registrations, and certificates granted on all divisional, continuation (including continuation-in-part), reissue, and reexamination applications, any and all certificates and other documents 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 the 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. We authorize the Assignee to apply in all countries in our names 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, we hereby confirm the sale, assignment, and transfer to the Assignce of the entire right, title and interest throughout the world in said inventions and improvements that occurred by operation of an employment agreement between us and the Assignce existing at the time said inventions and improvements were made. Should we have any remaining right, title or interest in or to said inventions and improvements anywhere in the world, we hereby sell, assign, and transfer such remaining right, title and interest to the Assignce.

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REEL: 042845 FRAME: 0091

Inventor - F Debra Hensgen et al.

Serial No. Unknown Filed Herewith Page 3 of 4

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

We 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.

We further covenant for ourselves and our 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 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. We 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. We are competent to execute the above declaration and assignment. We hereby have duly executed the declaration and assignment below with our names.

Ill name of inventor: Debra Hensgen
ventor's signature:
ate:
all name of inventor: Ludovic Pierre
ventor's signature: Ludest P1886
ate: 5/29/13

Docket No.: 2050.272US1

Filed : Merewith Page : 4 of 4

Full name of inventor: Martin Gibson
Inventor's signature:

Date:

Full name of inventor: Nandini Iyer
Inventor's signature:

Date:

Full name of inventor: Jean-Rene Menand
Inventor's signature:

Date:

Full name of inventor: Sebastian Rapport

Inventor's signature:

Date:

Inventor : Debra Hensgen et al.

Scrisl No. : Unknown

PATENT (#REEL: 042845 FRAME: 0093

Docket No.: 2050.272US1