PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MEHMET HAKAN ISBILIROGLU	03/21/2017
ROHAN PINGALI	03/21/2017

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:	16409058	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	2050.346US2	
NAME OF SUBMITTER:	CATINA JENSEN	
SIGNATURE:	/CaTina Jensen/	
DATE SIGNED:	10/22/2019	

Total Attachments: 4

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PATENT 505735360 REEL: 050793 FRAME: 0450

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 2050.346US2 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: OpenTV, Inc. Mehmet Hakan Isbiliroglu, Rohan Pingali Street Address: 275 Sacramento Street Additional name(s) of conveying party(ies) attached? City: San Francisco State: CA Country: United States of America Zip: 94111 []Yes [X]No 3. Nature of conveyance: Additional name(s) & address(es) attached? []Yes XINo [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: March 21, 2017, March 21, 2017 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) Serial No. 16/409,058 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Domenico L. Ippolito [[Enclosed [Authorized to be charged to deposit account Address: 19-0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 8. Please charge any additional fees or credit any over Minneapolis, Minnesota 55402 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Domenico L. Ippolito/Reg. No. 66,058 Name of Person Signing Total number of pages including cover sheet: 4 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks **Mail Stop Assignment Recordation Services**

P.O. Box 1450

Alexandria, VA 22313-1450

PATENT REEL: 050793 FRAME: 0451

Docket No.: 2050.346US1 Client Ref. No.: P-18-p346-US1

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Mehmet Hakan Isbiliroglu et al.							
Application No.: Unknown	Confirmation 1	Confirmation No.: Unknown					
Filed: Herewith							
For: USER-INITIATED TRANSITIONING BETWEEN MEDIA CONTENT VERSIONS							
Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450							
DECLARATION AND ASSIGNMENT BY INVENTOR UNDER RULE 37 CFR §1.63 EFFECTIVE ON SEPTEMBER 16, 2012							
We, Mehmet Hakan							
Isbiliroglu of	San Jose (city)	California (state or country)	, and				
Rohan Pingali of	San Jose (city)	California (state or country)	, hereby declare that:				
We believe we are the original joint inventors of a claimed invention in a patent application entitled: USER-INITIATED TRANSITIONING BETWEEN MEDIA CONTENT VERSIONS							
a patent application for which:							
was filed at the U.S. Patent and Trademark Office on, as Application Serial No, and identified as Attorney Docket No. 2050.346US1.							
2. We made, authorized to	o make, or will make	or authorize to ma	ake, 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.

PATENT REEL: 050793 FRAME: 0452 Inventor : Mehmet Hakan Isbiliroglu et al. Docket No.: 2050.346US1 Serial No. : Unknown Client Ref. No.: P-18-p346-US1

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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**, **San Francisco**, **CA 94111**, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest in an application for United States Patent, entitled *USER-INITIATED TRANSITIONING* **BETWEEN MEDIA CONTENT VERSIONS**, filed herewith, and assigned U.S. Serial Number (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.

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

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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: / MHI

Date: 3/21/2017

Inventor's signature: / Kohan Pingali

Date: 3/21/2017

Full name of inventor: Mehmet Hakan Isbiliroglu, Rohan Pingali

PATENT REEL: 050793 FRAME: 0454

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