

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4774054

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	TIMOTHY JOHN MICHAEL WARREN	01/11/2018
RECEIVING PARTY DATA		
Name:	HARMONIC, INC.	
Street Address:	4300 NORTH FIRST STREET	
City:	SAN JOSE	
State/Country:	CALIFORNIA	
Postal Code:	95134	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15699544	
CORRESPONDENCE DATA		
Fax Number:		
<i>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.</i>		
Phone:	408 402 5189	
Email:	chris@brokawpatentlaw.com	
Correspondent Name:	BROKAW PATENT LAW, PC	
Address Line 1:	101 CHURCH STREET, SUITE 50	
Address Line 4:	LOS GATOS, CALIFORNIA 95030	
ATTORNEY DOCKET NUMBER:	HRMC.P189	
NAME OF SUBMITTER:	CHRISTOPHER J BROKAW	
SIGNATURE:	/ChristopherJBrokaw#45620/	
DATE SIGNED:	01/12/2018	
Total Attachments: 2		
source=HRMC_P189_Warren_Assignment_AF#page1.tif		
source=HRMC_P189_Warren_Assignment_AF#page2.tif		

ASSIGNMENT

WHEREAS I, **TIMOTHY JOHN MICHAEL WARREN**, have made a certain new and useful invention as set forth in a patent application for United States Letters Patent Serial No. 15/699,544, entitled **USING WEB-BASED PROTOCOLS TO ASSIST GRAPHIC PRESENTATIONS IN DIGITAL VIDEO PLAYOUT**, filed on September 8, 2017;

AND WHEREAS, **Harmonic, Inc.**, a Delaware corporation having an address of 4300 North First Street, San Jose, California 95134, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefrom;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto **Harmonic, Inc.**, its legal representatives, successors, and assigns ("Assignee"), the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any provisionals, non-provisionals, continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, I hereby agree with the said Assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining any provisional, non-provisional, original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the

foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and Assignee;

AND I REQUEST the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

11-01-2018



Date

TIMOTHY JOHN MICHAEL WARREN