

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL D. ELLIS	06/30/1999
WILLIAM L. THOMAS	07/01/1999
THOMAS R. LEMMONS	07/01/1999
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNITED VIDEO PROPERTIES, INC.
<b>Street Address:</b>	TWO CIRCLE STAR WAY
<b>City:</b>	SAN CARLOS
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94070
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15056685
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<b>ATTORNEY DOCKET NUMBER:</b>	003597-0084-126
<b>NAME OF SUBMITTER:</b>	PAMELA HARRISON
<b>SIGNATURE:</b>	/Pamela Harrison/
<b>DATE SIGNED:</b>	12/08/2016
<b>Total Attachments: 2</b>	
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source=003597-0084-126_Assignment#page2.tif	

A S S I G N M E N T

WHEREAS, we, Michael D. Ellis, William L. Thomas, and Thomas R. Lemmons, respectively residing at 1300 Kingwood Place, Boulder, Colorado 80304, 11611 South 70th East Avenue, Bixby, Oklahoma 74008, and Route 2, Box 1178, Sand Springs, Oklahoma 74063, have made an invention in:

CLIENT-SERVER BASED INTERACTIVE TELEVISION  
PROGRAM GUIDE SYSTEM WITH REMOTE SERVER RECORDING

and have made application for United States Letters Patent therefor, the same having been filed on June 11, 1999 as United States Patent Application Serial No. 09/332,244, and being executed by us on even date or dates herewith; and

WHEREAS, UNITED VIDEO PROPERTIES, INC., a corporation organized and existing under the laws of the State of Delaware and having an office and place of business at 7140 South Lewis Avenue, Tulsa, Oklahoma 74136, is desirous of acquiring the entire interest in said invention, said United States patent application and in any Letters Patent which may issue thereon;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) paid to us, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto the said UNITED VIDEO PROPERTIES, INC., its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said United States patent application, including any continuations and divisions thereof, and any substitute applications therefor, and including the right to claim priority under the International Convention based on said patent

application, and any patent which may issue thereon, and any reissues of the same; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same; and we hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said UNITED VIDEO PROPERTIES, INC. as the assignee of the entire interest therein; and we further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, we have hereunto signed our names and affixed our seals on the date or dates indicated hereinafter.

6/30/99  
Date

Michael D. Ellis  
Michael D. Ellis

7/1/99  
Date

William L. Thomas  
William L. Thomas

7-1-99  
Date

Thomas R. Lemmons  
Thomas R. Lemmons