504163336 01/04/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

rsion v1.1 EPAS ID: PAT4210013

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSEPH P. BAUMGARTNER	04/17/2002
KENNETH F. CARPENTER JR.	04/17/2002
MICHAEL D. ELLIS	04/19/2002
DANNY R. GAYDOU	04/17/2002

RECEIVING PARTY DATA

Name:	UNITED VIDEO PROPERTIES, INC.
Street Address:	2 CIRCLE STAR WAY
City:	SAN CARLOS
State/Country:	CALIFORNIA
Postal Code:	94070

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15290892

CORRESPONDENCE DATA

Fax Number: (617)235-9492

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.

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Email: Crena.Pacheco@ropesgray.com

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Address Line 1: PRUDENTIAL TOWER
Address Line 2: 800 BOYLSTON STREET

Address Line 4: BOSTON, MASSACHUSETTS 02199

ATTORNEY DOCKET NUMBER:	003597-0237-105
NAME OF SUBMITTER:	CRENA PACHECO
SIGNATURE:	/CRENA PACHECO/
DATE SIGNED:	01/04/2017

Total Attachments: 9

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ASSIGNMENT

WHEREAS, we, Joseph P. Baumgartner, Kenneth F. Carpenter, Jr., Michael D. Ellis, and Danny R. Gaydou, residing respectively at 2830 East 82nd Street, Tulsa, Oklahoma 74137, 544 South Brentwood Drive, Mount Laurel, New Jersey 08054, 1300 Kingwood Place, Boulder, Colorado 80304, and 9731 South Evanston Avenue E., #3008, Tulsa, Oklahoma 74137, have made an invention in:

PERSONAL VIDEO RECORDER SYSTEMS AND METHODS and have made application for United States Letters Patent therefor, the same having been filed March 21, 2002, under Application No. 10/105,082; and

WHEREAS, UNITED VIDEO PROPERTIES, INC.

("UNITED VIDEO"), 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 provisional patent application and in any Letters Patent which may be entitled to the benefit thereof;

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 UNITED VIDEO, 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 provisional patent application, including any non-provisional patent applications claiming the benefit thereof and any continuations and dipatent

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thereof, and any substitute applications therefor, and any patents which may issue thereon, and any reissues of the same, and including the right to claim priority under the International Convention based on said provisional patent application; 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 UNITED VIDEO, 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 on the date(s) indicated hereinafter.

Cigni 17 100 Date	Joseph P. Baumgartner
Date	Kenneth F. Carpenter, Jr.
Date	Michael D. Ellis
April 17, 7002 Date	Danný R. Gaydou

ASSIGNMENT

WHEREAS, we, Joseph P. Baumgartner, Kenneth F. Carpenter, Jr., Michael D. Ellis, and Danny R. Gaydou, residing respectively at 2830 East 82nd Street, Tulsa, Oklahoma 74137, 544 South Brentwood Drive, Mount Laurel, New Jersey 08054, 1300 Kingwood Place, Boulder, Colorado 80304, and 9731 South Evanston Avenue E., #3008, Tulsa, Oklahoma 74137, have made an invention in:

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thereof, and any substitute applications therefor, and any patents which may issue thereon, and any reissues of the same, and including the right to claim priority under the International Convention based on said provisional patent application; 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 UNITED VIDEO, 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 on the date(s) indicated hereinafter.

Date	Joseph F. Baumgartner
Date	Kenneth F. Carpenter, Jr.
4/11/02 Date	Michael D. Ellis
Date	Danny R. Gaydou

ASSIGNMENT

WHEREAS, we, Joseph P. Baumgartner, Kenneth F. Carpenter, Jr., Michael D. Ellis, and Danny R. Gaydou, residing respectively at 2830 East 82nd Street, Tulsa, Oklahoma 74137, 544 South Brentwood Drive, Mount Laurel, New Jersey 08054, 1300 Kingwood Place, Boulder, Colorado 80304, and 9731 South Evanston Avenue E., #3008, Tulsa, Oklahoma 74137, have made an invention in:

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thereof, and any substitute applications therefor, and any patents which may issue thereon, and any reissues of the same, and including the right to claim priority under the International Convention based on said provisional patent application; 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 UNITED VIDEO, 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 on the date(s) indicated hereinafter. Joseph P. Baumgartner Date Michael D. Ellis Date

Danny R. Gaydou

Date