

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3260840

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROBERT A KNEE	08/18/1998
STEVEN J. REYNOLDS	08/12/1998
MICHAEL D. ELLIS	08/12/1998
JOEL G. HASSELL	08/14/1998
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PREVUE NETWORKS, INC.
<b>Street Address:</b>	2830 DE LA CRUZ BOULEVARD
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95050
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14643852
<b>CORRESPONDENCE DATA</b>	
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<b>Correspondent Name:</b>	ROPES & GRAY LLP
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<b>Address Line 4:</b>	NEW YORK, NEW YORK 10036-8704
<b>ATTORNEY DOCKET NUMBER:</b>	003597-0058-106
<b>NAME OF SUBMITTER:</b>	LISE ANN RUGGERI-KALIL
<b>SIGNATURE:</b>	/Lise Ann Ruggeri-Kalil/
<b>DATE SIGNED:</b>	03/11/2015
<b>Total Attachments: 4</b>	
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A S S I G N M E N T

WHEREAS, we, Robert A. Knee, Steven J. Reynolds, Michael D. Ellis and Joel G. Hassell, residing respectively at 747 Grissom Drive, Lansdale, Pennsylvania <sup>19446 RAK</sup> ~~19447~~, 812 Altair Drive, Littleton, Colorado 80124, 1300 Kingwood Place, Boulder, Colorado 80304, and 8246 Yarrow Court, Arvada, Colorado 80005, have made an invention in:

INTERACTIVE TELEVISION PROGRAM GUIDE SYSTEM FOR  
DETERMINING USER VALUES FOR DEMOGRAPHIC CATEGORIES

and have made application for United States Letters Patent therefor, the same having been executed by us on even date or dates herewith; and

WHEREAS, PREVUE NETWORKS, 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 PREVUE NETWORKS, 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 PREVUE NETWORKS, 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.

8/18/98  
Date

Robert A. Knee  
Robert A. Knee

STATE OF Oklahoma : ss.:  
COUNTY OF Delaware )

On this 18 th day of August, 1998, appeared before me in person the above-named Robert A. Knee and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

Mick M. O'Neal  
Notary Public

(Notarial seal)

My Commission expires:

12-18-99

8/12/98  
Date

Steven J. Reynolds  
Steven J. Reynolds

STATE OF Oklahoma  
COUNTY OF Adair ) : ss.:

On this 12th day of August, 1998, appeared before me in person the above-named Steven J. Reynolds and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

Michael M. O'Neal  
Notary Public

(Notarial seal)

My Commission expires:

12-18-99

8/12/98  
Date

Michael D. Ellis  
Michael D. Ellis

STATE OF Oklahoma  
COUNTY OF Adair ) : ss.:

On this 12th day of August, 1998, appeared before me in person the above-named Michael D. Ellis and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

Michael M. O'Neal  
Notary Public

(Notarial seal)

My Commission expires:

12-18-99

8/14/98  
Date

Joel G. Hassell  
Joel G. Hassell

STATE OF Oklahoma  
COUNTY OF Delaware : ss.:

On this 14th day of August, 1998, appeared before me in person the above-named Joel G. Hassell and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

Mick M. O'Real  
Notary Public

(Notarial seal)

My Commission expires:

12-18-99