PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3458561

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EXPANSE NETWORKS, INC	08/18/2004

RECEIVING PARTY DATA

Name:	PRIME RESEARCH ALLIANCE E, INC.
Street Address:	CRAIGMUIR CHAMBERS
Internal Address:	P.O. BOX 71, ROAD TOWN
City:	TORTOLA
State/Country:	VIRGIN ISLANDS, BRITISH

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14488005

CORRESPONDENCE DATA

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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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ATTORNEY DOCKET NUMBER:	T738-10-4
NAME OF SUBMITTER:	DAVID M. MORSE
SIGNATURE:	/DMMorse/
DATE SIGNED:	07/28/2015

Total Attachments: 6
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ASSIGNMENT

WHEREAS, **Expanse Networks, Inc.**, hereinafter referred to as the ASSIGNOR, a **Corporation of Delaware**, having its principal place of business at **6206 Kellers Church Road, Pipersville, PA 18947** is the owner of certain inventions or improvements for which applications for Letters Patent have been made or for which Letters Patent have been issued, all of which are listed on Attachment A hereto (hereafter Patent Property); and

WHEREAS, **Prime Research Alliance E, Inc.**, hereinafter referred to as the ASSIGNEE, a **Corporation** of the British Virgin Islands, having its principal place of business at **Craigmuir Chambers, P.O. Box 71, Road Town, Tortola, British Virgin Islands**, is desirous of acquiring the entire right, title and interest in and to the said Patent Property in any and all countries;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over to said ASSIGNEE, the entire right, title and interest in and to said Patent Property and any and all continuations, divisions and renewals of and substitutes for said Patent Property and to and under any and all additional Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extensions of said Letters Patent, and the full right to sue for and recover damages recoverable for past infringement of the same (including the right of ASSIGNEE to be substituted for ASSIGNOR as a party in any pending action instituted by ASSIGNOR for infringement of any Patent Property), and for violations of provisional rights having arisen from any published application(s) for said Patent Property. ASSIGNOR further assigns to and authorizes said ASSIGNEE to file corresponding applications for Letters Patent in all countries, to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, sale and transfer not been made.

It is hereby covenanted that ASSIGNOR has full right to convey the entire interest herein assigned, and that ASSIGNOR has not executed and will not execute any agreement in conflict herewith, and ASSIGNOR further covenants and agrees that it will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said Patent Property in said assignee, its successors, assigns, nominees, or legal representatives, and ASSIGNOR agrees to communicate to said ASSIGNEE or to its nominee all known facts respecting said Patent Property, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything reasonably possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries, all at the expense, however, of said ASSIGNEE, its successors, assigns, nominees or legal representatives.

AND ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said ASSIGNEE, as assignee of the entire right, title and interest, any and all Letters Patent for said Patent Property, including any and all Letters Patent of the United States which may be issued and granted on or as a result of any applications included in said Patent Property, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, the undersigned, being properly authorized to execute this Assignment, hereunto sets their hand and seal.
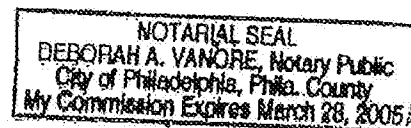
Expanse Networks, Inc.

By: _Chal Eld_

Charles Eldering

~~Chief Executive Officer~~ _President_

Date: _Aug 18, 2004_

STATE OF _Pennsylvania_ :

_: SS_

COUNTY OF _Philadelphia_ :

On this _13th_ day of _August_ , year of _2004_ , before me, the undersigned officer, personally appeared _Charles A. Eldering_ , who acknowledged himself/herself to be the _President_ of _Expanse Networks, Inc._ , a corporation, and that he/she as such _President_ , being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by himself/herself as _President_ .

Deborah A. Vanore

Notary Public

ATTACHMENT A

List of Assigned Patents and Patent Applications

Issued U.S. Patent Listing

Patent Number	Issue Date	Title
US 6,216,129	10-Apr-01	Advertisement Selection System Supporting Discretionary Target Market Characteristics
US 6,298,348	2-Oct-01	Consumer Profiling System
US 6,324,519	27-Nov-01	Advertisement Auction System
US 6,457,010	24-Sep-02	Client-Server Based Subscriber Characterization System
US 6,560,578	6-May-03	Advertisement Selection System Supporting Discretionary Target Market Characteristics
US 6,615,039	2-Sep-03	Advertisement Subgroups for Digital Streams
US 6,684,194	27-Jan-04	Subscriber Identification System
US 6,704,930	9-Mar-04	Advertisement Insertion Techniques for Digital Video Streams
US 6,714,917	30-Mar-04	Subscriber Identification Based On Electronic Program Guide Data

Pending U.S. Patent Application Listing

Patent Application Number	Filing/ Publication Date	Title
09/204,888	3-Dec-98	Subscriber Characterization System
09/205,119	3-Dec-98	Advertisement Monitoring System
09/516,983	1-Mar-00	Subscriber Characterization System With Filters
09/553,637	20-Apr-00	Advertising Management System For Digital Video Streams
09/568,084	10-May-00	Advertisement Subgroups For Digital Video Streams
09/591,577	9-Jun-00	Privacy-Protected Advertising System
09/635,539	10-Aug-00	Delivering Targeted Advertisements In Cable-Based Networks

09/635,542	10-Aug-00	Grouping Subscribers Based On Demographic Data
09/635,544	10-Aug-00	Transporting Ad Characterization Vectors
09/658,204	8-Sep-00	Targeted Advertising Through Electronic Program Guide
09/660,301	12-Sep-00	Viewership Reporting For Switched Digital Video Networks
09/680,622	6-Oct-00	Method And System For Addressable And Program Independent Advertising During Recorded Programs
09/694,848	20-Oct-00	Method And Apparatus For Inserting Digital Media Advertisements Into Statistical Multiplexed Streams
09/712,790	14-Nov-00	Queue Based Advertisement Scheduling And Sales
09/742,507 US20020083451A1	21-Dec-00 27-Jun-02	User-Friendly Electronic Program Guide Based On Subscriber Characterizations
09/742,527 US20020083444A1	21-Dec-00 27-Jun-02	System And Method For Automatically Managing Avail Inventory Data And Avail Pricing
09/742,534 US20020083442A1	21-Dec-00 27-Jun-02	Queue-Based Head-End Advertisement Scheduling Method And Apparatus
09/742,852 US20020083439A1	21-Dec-00 27-Jun-02	System For Rescheduling And Inserting Advertisements
09/748,942 US20020083443A1	27-Dec-00 27-Jun-02	Advertisement Distribution System For Distributing Targeted Advertisements In Television Systems
09/748,943 US20020083445A1	27-Dec-00 27-Jun-02	Delivering Targeted Advertisements To The Set-Top-Box
09/748,949 US20020083441A1	27-Dec-00 27-Jun-02	Advertisement Filtering And Storage For Targeted Advertisement Systems
09/749,255 US20010032333A1	27-Dec-00 18-Oct-01	Scheduling And Presenting IPG Ads In Conjunction With Programming Ads In A Television Environment
09/750,800 US20020087975A1	28-Dec-00 4-Jul-02	System And Method For Delivering Targeted Advertisements Using Multiple Presentation Streams
09/750,812 US20020087980A1	28-Dec-00 4-Jul-02	Grouping Advertisement Sub Avails
09/751,349 US20020087973A1	28-Dec-00 4-Jul-02	Inserting Local Signals During MPEG Channel Changes
09/766,004 US20020056107A1	19-Jan-01 9-May-02	System And Method For Delivering Statistically Scheduled

Application Number	Date(s)	Title
		Advertisements
09/796,339 US20010049620A1	28-Feb-01 6-Dec-01	Privacy-Protected Targeting System
09/807,887	19-Apr-01	Consumer Profiling And Advertisement Selection System
09/824,434 US20020144263A1	3-Oct-02 2-Apr-01	Grouping Of Advertisements On An Advertising Channel In A Targeted Advertisement System
09/857,160	1-Jul-01	Subscriber Identification System
09/857,256	1-Jun-01	Subscriber Characterization And Advertisement Monitoring System
09/857,257	1-Jun-01	Advertisement Auction System
09/928,024 US20020123928A1	10-Aug-01 5-Sep-02	Targeting Ads To Subscribers Based On Privacy-Protected Subscriber Profiles
09/998,979 US20020129368A1	31-Oct-01 12-Sep-02	Profiling And Identification Of Television Viewers
10/006,874 US20020144262A1	14-Nov-01 3-Oct-02	Alternative Advertising In Prerecorded Media
10/031,142	9-Nov-01	Advertisement Subgroups For Digital Video Streams
10/031,268	23-Mar-02	Advertising Management System For Digital Video Streams
10/049,246	28-Jan-02	Method And Apparatus For Inserting Digital Media Advertisements Into Statistical Multiplexed Streams
10/068,771 US20030149975A1	5-Feb-02 7-Aug-03	Targeted Advertising In On Demand Programming
10/116,669 US20020178445A1	3-Apr-02 28-Nov-02	Subscriber Selected Advertisement Display And Scheduling
10/116,692 US20020178447A1	3-Apr-02 28-Nov-02	Behavioral Targeted Advertising
10/116,694 US20020184047A1	3-Apr-02 5-Dec-02	Universal Ad Queue
10/229,784 US20020194058A1	28-Aug-02 19-Dec-02	Consumer Profiling
10/229783 US20030004810A1	28-Aug-02 2-Jan-03	Advertisement Selection System Supporting Discretionary Target Market Characteristics
10/759,620	16-Jan-04	Advertisement Management System For Digital Video Streams

Issued Foreign Patent Listing

Patent Number	Issue Date	Title
CA 2,353,646	6-Apr-04	Subscriber Characterization And Advertisement Monitoring System
AU 768680	18-Dec-03	Consumer Profiling And Advertisement Selection System

Pending Foreign Patent Application Listing

Patent Application Number	Filing Date	Title
CA2353384AA	2-Dec-99	Advertisement Auction System
CA2353385AA	2-Dec-99	Subscriber Identification System
CA2353393AA	2-Dec-99	Consumer Profiling And Advertisement Selection System
CA2371906AA	10-May-00	Advertisement Subgroups For Digital Video Streams
CA2383352AA	20-Apr-00	Advertising Management System For Digital Video Streams
CA2386941AA	20-Oct-00	Method And Apparatus For Inserting Digital Media Advertisements Into Statistical Multiplexed Streams
CA2442842AA	3- Apr-02	Alternative Advertising In Prerecorded Media
EP1133745A1	2-Dec-99	Consumer Profiling And Advertisement Selection System
JP2002531897T2	1-Jun-01	Consumer Profiling And Advertisement Selection System