PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3195441

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SPHERIX PORTFOLIO ACQUISITION II, INC.	03/28/2014

RECEIVING PARTY DATA

Name:	SPHERIX INCORPORATED
Street Address:	7927 JONES BRANCH DRIVE
City:	TYSONS CORNER
State/Country:	VIRGINIA
Postal Code:	22102

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13728698

CORRESPONDENCE DATA

Fax Number: (212)983-3115

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:	48225-501DR2US
NAME OF SUBMITTER:	BORIS A. MATVENKO, ESQ.
SIGNATURE:	/Boris A. Matvenko, Esq./
DATE SIGNED:	01/23/2015

Total Attachments: 10
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OMB No. 0651-0027 (exp. 04/30/2015)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Spherix Portfolio Acquisition II, Inc.

Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

2. Name and address of receiving party(ies)

Name: Spherix Incorporated

Internal Address:

Street Address:

7927 Jones Branch Drive

City: Tysons Corner

State: Virginia

Country: United States of America Zip: 22102

Additional name(s) & address(es) attached? [ ] Yes [X] No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) March 28, 2014

[X] Assignment [ ] Merger [ ] Change of Name

[ ] Security Agreement [ ] Joint Research Agreement

[ ] Government Interest Assignment

[ ] Executive Order 9424, Confirmatory License

[ ] Other

4. Application or patent number(s): [ ] This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)
13/728,698

B. Patent No.(s)

Additional numbers attached? [ ] Yes [X] No

5. Name and address to whom correspondence concerning document should be mailed:

Boris A. Matvenko, Esq.
MINTZ LEVIN COHN FERRIS GLOVSKY
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Docket Number: 48225-501DR2US

Email Address: IPDocketingBOS@mintz.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) $ 40.00

[X] Authorized to be charged to deposit account

[ ] Enclosed

[ ] None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 50-0311

Authorized User Name Boris A. Matvenko, Esq.

9. Signature: /Boris A. Matvenko/ January 23, 2015
Signature Date

Boris A. Matvenko, Esq. - 48,165
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 10

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Exhibit A

ASSIGNMENT

Effective as of March 28, 2014, for good and valuable consideration, the receipt of which is hereby acknowledged, Spherix Portfolio Acquisition II, Inc., a Delaware corporation with an office at 7927 Jones Branch Drive, Tysons Comer, VA 22102 *("Assignor")*, does hereby sell, assign, transfer and convey unto Spherix Incorporated, a Delaware corporation having a principal place of business at 7927 Jones Branch Drive, Tysons Corner, VA 22102 *("Assignee")* or its designees, all of Assignor's right, title and interest in and to (a) all patents and patent applications listed below; (b) any patents required to make the issued patents listed below enforceable because of a terminal disclaimer filed prior to December 31,2013 (c) the inventions, discoveries and improvements described or claimed in any or all of the foregoing (collectively *"Patent Rights"):*

Patent No.	Serial No.	Country	Filing Date	Issue Date	Title
5,959,990	08/613,726	US	03/12/96	09/28/99	VLAN FRAME FORMAT
RE40,999	10/225,708	US	08/22/02	11/24/09	VLAN FRAME FORMAT
N/A	12/459,465	US	06/30/09	N/A	VLAN FRAME FORMAT
N/A	13/728,823	US	12/27/12	N/A	VLAN FRAME FORMAT
N/A	13/728,838	US	12/27/12	N/A	VLAN FRAME FORMAT
N/A	13/728,846	US	12/27/12	N/A	VLAN FRAME FORMAT
N/A	13/728,867	US	12/27/12	N/A	VLAN FRAME FORMAT
N/A	13/728,698	US	12/27/12	N/A	VLAN FRAME FORMAT
N/A	13/728,747	US	12/27/12	N/A	VLAN FRAME FORMAT
N/A	13/728,770	US	12/27/12	N/A	VLAN FRAME FORMAT
N/A	13/728,787	US	12/27/12	N/A	VLAN FRAME FORMAT
6,111,876	08/705,631	US	08/30/96	08/29/00	VLAN FRAME FORMAT
7,158,515	09/611,447	US	07/06/00	01/02/07	METHOD OF OPTICAL NETWORK BANDWIDTH REPRESENTATION FOR OPTICAL LABEL SWITCHING NETWORKS

Patent No.	Serial No.	Country	Filing Date	Issue Date	Title
6,697,325	09/455,653	US	12/07/99	02/24/04	SYSTEM, DEVICE, AND METHOD FOR EXPEDITING RECONVERGENCE IN A COMMUNICATION NETWORK
6,970,461	09/725,360	US	11/29/00	11/29/05	ACCESS CONTROL ENHANCEMENTS FOR DELIVERY OF VIDEO AND OTHER SERVICES
1 340 336	01999074.6	GB	11/27/01	07/22/09	ACCESS CONTROL ENHANCEMENTS, NETWORK ACCESS UNIT AND SERVICE PROVIDER SERVER FOR DELIVERY OF VIDEO AND OTHER SERVICES
1 340 336	01999074.6	FR	11/27/01	07/22/09	ACCESS CONTROL ENHANCEMENTS, NETWORK ACCESS UNIT AND SERVICE PROVIDER SERVER FOR DELIVERY OF VIDEO AND OTHER SERVICES
1 340 336	60139337.6	DE	11/27/01	07/22/09	ACCESS CONTROL ENHANCEMENTS, NETWORK ACCESS UNIT AND SERVICE PROVIDER SERVER FOR DELIVERY OF VIDEO AND OTHER SERVICES
10-0885322	10-2003-7007244	KR	11/27/01	02/25/09	ACCESS CONTROL ENHANCEMENTS, NETWORK ACCESS UNIT AND SERVICE PROVIDER FOR DELIVERY OF VIDEO AND OTHER SERVICES
2,430,350	2430350	CA	11/27/01	04/17/12	ACCESS CONTROL ENHANCEMENTS NETWORK ACCESS UNIT AND SERVICE PROVIDER SERVER FOR DELIVERY OF VIDEO AND OTHER SERVICES
N/A	2702099	CA	11/27/01	N/A	ACCESS CONTROL ENHANCEMENTS, NETWORK ACCESS UNIT AND SERVICE PROVIDER SERVER FOR DELIVERY OF VIDEO AND OTHER SERVICES
5,970,125	08/933,752	US	09/23/97	10/19/99	METHOD, SYSTEM AND APPARATUS FOR CAUSING CUSTOMER PREMISES EQUIPMENT TO AUTOMOMOUSLY CALL A TELECOMMUNICATIONS SERVER
7,277,533	09/732,128	US	12/07/00	10/02/07	PROVIDING CALLING PARTY INFORMATION IN A REQUEST TO ESTABLISH A CALL SESSION

Patent No.	Serial No.	Country	Filing Date	Issue Date	Title
8,331,373	11/811,113	US	09/08/07	03/05/13	PROVIDING CALLING PARTY INFORMATION IN A REQUEST TO ESTABLISH A CALL SESSION
N/A	13/726,335	US	12/26/12	N/A	PROVIDING CALLING PARTY INFORMATION IN A REQUEST TO ESTABLISH A CALL SESSION
N/A	01000847.4	EP	11/08/01	N/A	PROVIDING CALLING PARTY INFORMATION IN A REQUEST TO ESTABLISH A CALL SESSION
N/A	101784098	EP	11/08/01	N/A	PROVIDING CALLING PARTY INFORMATION IN A REQUEST TO ESTABLISH A CALL SESSION
6,578,086	09/405,982	US	09/27/99	06/10/03	DYNAMICALLY MANAGING THE TOPOLOGY OF A DATA NETWORK
6,130,877	08/862,202	US	05/23/97	10/10/00	RATE CONTROLLED BROADCAST FOR ACTIVATION OF ENTITIES IN LARGE SCALE DATA NETWORKS
6,222,848	08/996,172	US	12/22/97	04/24/01	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
0 924 901	98310614.7	GB	12/22/98	11/03/04	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
1 441 481	04076023.3	GB	03/30/04	06/01/11	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
2 259 499	10182541.2	GB	03/30/04	04/03/13	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
0 924 901	98310614.7	FR	12/22/98	11/03/04	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
1 441 481	04076023.3	FR	03/30/04	06/01/11	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING

Patent No.	Serial No.	Country	Filing Date	Issue Date	Title
2 259 490	10132541.2	FR	03/30/04	04/03/13	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
69827849 4	98310614.7	DE	12/22/98	11/03/04	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
1 441 481	04076023.3	DE	01/30/04	06/01/11	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
2 259 490	10182541.2	DE	03/30/04	04/03/13	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
2,256,014	2256014	CA	12/14/98	12/12/06	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
0 924 901	98310614.7	CH	12/22/98	11/03/04	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
0 924 901	98310614.7	FI	12/22/98	11/03/04	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
0 924 901	98310614.7	IT	12/22/98	11/03/04	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
0 924 901	98310614.7	LI	12/22/98	11/03/04	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
0 924 901	98310614.7	NL	12/22/98	11/03/04	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
0 924 901	98310614.7	SE	12/22/98	11/03/04	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
6,404,765	09/073,559	US	05/05/98	06/11/02	METHOD AND APPARATUS FOR TRANSPORTING DS-X SIGNALS THROUGH A PACKET NETWORK

Patent No.	Serial No.	Country	Filing Date	Issue Date	Title
6,807,174	10/117,740	US	04/05/02	10/19/04	METHOD AND APPARATUS FOR TRANSPORTING DS-X SIGNALS THROUGH A PACKET NETWORK
7,397,762	11/355,640	US	02/16/06	07/08/08	ADMISSIONS CONTROL IN A CONNECTIONLESS COMMUNICATIONS NETWORK
7,664,123	10/763,015	US	01/22/04	02/16/10	GENERALIZED VIRTUAL ROUTER
6,745,243	09/107,069	US	06/30/98	06/01/04	METHOD AND APPARATUS FOR NETWORK CACHING AND LOAD BALANCING
6,882,800	09/703,631	US	11/02/00	04/19/05	OPTICAL SWITCHING SYSTEM FOR SWITCHING OPTICALS SIGNALS IN WAVELENGTH GROUPS
8,189,575	11/374,546	US	03/13/06	05/29/12	MODULAR SCALABLE SWITCH ARCHITECTURE
8,582,569	13/465,657	US	05/07/12	12/11/13	MODULAR SCALABLE SWITCH ARCHITECTURE
6,661,788	09/311,942	US	05/14/99	12/09/03	MULTICAST SCHEDULING FOR A NETWORK DEVICE
6,952,740	09/412,447	US	10/04/99	10/04/05	APPARATUS AND METHOD OF MAINTAINING A ROUTE TABLE
1 091 524	308770.7	GB	08/21/00	09/27/06	SWITCH FOR OPTICAL SIGNALS
1 091 524	650108.4	FR	08/21/00	09/27/06	SWITCH FOR OPTICAL SIGNALS
60020830.4	60020830.4	DE	08/21/00	09/27/06	SWITCH FOR OPTICAL SIGNALS
6,422,876	09/457,508	US	12/08/99	07/23/02	HIGH THROUGHPUT INTERCONNECTION SYSTEM USING ORTHOGONAL CONNECTORS
7,274,704	09/902,683	US	07/12/01	09/25/07	PIGGYBACKING VPN INFORMATION IN BGP FOR NETWORK BASED VPN ARCHITECTURES
6,427,185	08/856,485	US	07/17/97	07/30/02	METHOD AND APPARATUS FOR MANAGING THE FLOW OF DATA WITHIN A SWITCHING DEVICE

Patent No.	Serial No.	Country	Filing Date	Issue Date	Title
RE40,467	11/347,786	US	02/03/06	08/26/08	METHOD AND APPARATUS FOR MANAGING THE FLOW OF DATA WITHIN A SWITCHING DEVICE
7,031,296	10/330,640	US	12/27/02	04/18/06	METHOD AND APPARATUS FOR MANAGING THE FLOW OF DATA WITHIN A SWITCHING DEVICE
6,788,671	10/093,290	US	03/05/02	09/07/04	METHOD AND APPARATUS FOR MANAGING THE FLOW OF DATA WITHIN A SWITCHING DEVICE
6,466,986	09/475,383	US	12/30/99	10/15/02	METHOD AND APPARATUS FOR PROVIDING DYNAMIC HOST CONFIGURATION PROTOCOL (DHCP) TAGGING
2,317,783	2317783	CA	09/06/00	01/24/12	METHOD AND APPARATUS FOR PROVIDING DYNAMIC HOST CONFIGURATION PROTOCOL (DHCP) TAGGING
6,767,925	09/672,801	US	09/28/00	07/20/04	APPARATUS AND METHOD OF MAINTAINING STATE IN A DATA TRANSMISSION SYSTEM
6,980,564	09/884,684	US	06/19/01	12/27/05	MODULAR DATA COMMUNICATION EQUIPMENT SYSTEM
7,385,998	10/657,654	US	09/08/03	06/10/08	METHOD AND APPARATUS FOR ENCAPSULATING SERVICES FOR TRANSPORTATION OVER METALLIC PHYSICAL MEDIUMS
7,233,593	10/192,113	US	07/10/02	06/19/07	SYSTEM, DEVICE, AND METHOD FOR ROUTING INFORMATION IN A COMMUNICATION NETWORK USING POLICY EXTRAPOLATION
6,937,704	09/742,105	US	11/17/00	08/30/05	CONNECTION CONTROLLER FOR SETTING-UP A MEDIA PATH BETWEEN A TERMINAL AND AN AUDIO SOURCE
7,123,700	09/560,019	US	04/27/00	10/17/06	CONFIGURING USER INTERFACES OF CALL DEVICES
N/A	01924009.6	EP	04/03/01	N/A	CONFIGURING USER INTERFACES OF CALL DEVICES

Patent No.	Serial No.	Country	Filing Date	Issue Date	Title
N/A	10180892.1	EP	04/03/01	N/A	CONFIGURING USER INTERFACES OF CALL DEVICES
5,751,967	08/680,113	US	07/15/96	05/12/98	METHOD AND APPRATUS FOR AUTOMATICALLY CONFIGURING A NETWORK DEVICE TO SUPPORT A VIRTUAL NETWORK
6,366,557	09/069,439	US	04/29/98	04/02/02	METHOD AND APPARATUS FOR A GIGABIT ETHERNET MAC (GMAC)
6,490,249	09/203,104	US	12/01/98	12/03/02	ADAPTIVE CONNECTION ADMISSION CONTROL SCHEME FOR PACKET NETWORKS
6,507,648	09/210,496	US	12/23/98	01/14/03	METHOD AND APPARATUS FOR PRIORITIZING VOICE AND DATA IN A CIRCUIT-SWITCHED NETWORK
6,345,047	09/096,468	US	06/12/98	02/05/02	COMPUTER TELEPHONY ADAPTER AND METHOD
7,366,183	10/439,518	US	05/16/03	04/29/08	DETECTING MULTIMEDIA CAPABILITY OF A CALLER
8,166,533	10/642,256	US	08/15/03	04/24/12	METHOD FOR PROVIDING MEDIA COMMUNICATION ACROSS FIREWALLS
8,607,323	13/506,330	US	04/11/12	10/12/13	METHOD FOR PROVIDING MEDIA COMMUNICATION ACROSS FIREWALLS
N/A	14/099,379	US	12/06/13	N/A	METHOD FOR PROVIDING MEDIA COMMUNICATION ACROSS FIREWALLS
7,478,167	10/389,997	US	03/18/03	01/13/09	RESOURCE ALLOCATION USING AN AUTO-DISCOVERY MECHANISM FOR PROVIDER PROVISIONED LAYER 2 AND LAYER-3 VIRTUAL PRIVATE NETWORKS
60315306.1	03707963.9	DE	03/18/03	04/18/07	RESOURCE ALLOCATION USING AN AUTO-DISCOVERY MECHANISM FOR PROVIDER-PROVISIONED LAYER 2 AND LAYER-3 VIRTUAL PRIVATE NETWORKS
1 488 577	03707963.9	FR	03/18/03	04/18/07	RESOURCE ALLOCATION USING AN AUTO-DISCOVERY MECHANISM FOR PROVIDER-PROVISIONED LAYER 2 AND LAYER-3 VIRTUAL PRIVATE NETWORKS

Patent No.	Serial No.	Country	Filing Date	Issue Date	Title
1 488 577	03707963.9	GB	03/18/03	04/18/07	RESOURCE ALLOCATION USING AN AUTO-DISCOVERY MECHANISM FOR PROVIDER-PROVISIONED LAYER-2 AND LAYER-3 VIRTUAL PRIVATE NETWORKS
6,839,332	09/501,517	US	02/09/00	01/04/05	METHOD AND SYSTEM FOR OPTICAL ROUTING VARIABLE-LENGTH PACKET DATA
7,869,362	10/965,838	US	10/18/04	01/11/11	METHOD AND SYSTEM FOR OPTICAL ROUTING VARIABLE-LENGTH PACKET DATA
1 126 740	01301171.3	GB	02/09/01	07/01/09	METHOD AND SYSTEM FOR OPTICAL ROUTING VARIABLE-LENGTH PACKET DATA
1 126 740	01301171.3	FR	02/09/01	07/01/09	METHOD AND SYSTEM FOR OPTICAL ROUTING VARIABLE-LENGTH PACKET DATA
60139095.4	01301171.3	DE	02/09/01	07/01/09	METHOD AND SYSTEM FOR OPTICAL ROUTING VARIABLE-LENGTH PACKET DATA
2,334,549	2334589	CA	02/08/01	06/16/09	METHOD AND SYSTEM FOR OPTICAL ROUTING VARIABLE-LENGTH PACKET DATA
8,325,707	11/408,890	US	04/21/06	12/04/12	SESSION INITIATION FROM APPLICATION SERVERS IN AN IP MULTIMEDIA SUBSYSTEM
N/A	13/681,621	US	11/20/12	N/A	SESSION INITIATION FROM APPLICATION SERVERS IN AN IP MULTIMEDIA SUBSYSTEM
N/A	2605475	CA	04/21/06	N/A	SESSION INITIATION FROM APPLICATION SERVERS IN AN IP MULTIMEDIA SUBSYSTEM
N/A	06744367.4	EP	04/21/06	N/A	SESSION INITIATION FROM APPLICATION SERVERS IN AN IP MULTIMEDIA SUBSYSTEM
N/A	08106619.0	HK	04/21/06	N/A	SESSION INITIATION FROM APPLICATION SERVERS IN AN IP MULTIMEDIA SUBSYSTEM
6,879,594	09/588,533	US	06/07/00	04/12/05	SYSTEM AND METHOD FOR LOOP AVOIDANCE IN MULTI-PROTOCOL LABEL SWITCHING
60022057.5	00938372.0	DE	06/07/00	07/07/05	METHOD FOR AVOIDING LOOPS IN MPLS
1 201 061	00938372.0	GB	06/07/00	07/07/05	METHOD FOR AVOIDING LOOPS IN MPLS

Patent No.	Serial No.	Country	Filing Date	Issue Date	Title
1 201 061	00938372.0	FR	06/07/00	07/07/05	METHOD FOR AVOIDING LOOPS IN MPLS

In addition, Assignor agrees to and hereby does sell, assign, transfer and convey unto Assignee all Assignor's rights (i) in and to causes of action and enforcement rights for the Patent Rights including all of Assignor's rights to pursue damages, injunctive relief and other remedies for past, present and future infringement of the Patent Rights, (ii) to apply (or continue prosecution) in any and all countries of the world for patents, design patents, utility models, certificates of invention or other governmental grants for the Patent Rights, including without limitation under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement or understanding, and (iii) to revive prosecution of any abandoned Patent Rights.

Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention or equivalent which may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment shall inure to the benefit of Assignee, its successors, assigns and other legal representatives, and shall be binding upon Assignor, its successor, assigns and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at New York, New York on March 28, 2014.

ASSIGNOR

Anthony Hayes
CEO

Sworn to before me this
28th day of March, 2014

Suzann P Langan

SUZANN P. LANGAN
Notary Public, State of New York
No. 01LA5051937
Qualified in Queens County
Commission Expires November 13, 2017