

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3284553

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:	6430 ROCKLEDGE DRIVE, SUITE 503	
City:	BETHESDA	
State/Country:	MARYLAND	
Postal Code:	20817	
PROPERTY NUMBERS Total: 42		
Property Type	Number	
Patent Number:	7158515	
Patent Number:	6697325	
Patent Number:	6970461	
Patent Number:	5970125	
Patent Number:	6578086	
Patent Number:	6130877	
Patent Number:	6222848	
Patent Number:	6404765	
Patent Number:	6807174	
Patent Number:	7397763	
Patent Number:	7664123	
Patent Number:	6745243	
Patent Number:	6882800	
Patent Number:	8189575	
Patent Number:	8582569	
Patent Number:	6661788	
Patent Number:	6952740	
Patent Number:	6422876	
Patent Number:	7274704	
Patent Number:	6427185	

PATENT

Property Type	Number
Patent Number:	RE40467
Patent Number:	7031296
Patent Number:	6788671
Patent Number:	6466986
Patent Number:	6765925
Patent Number:	6980564
Patent Number:	7385998
Patent Number:	7233593
Patent Number:	6937704
Patent Number:	5751967
Patent Number:	6366557
Patent Number:	6490249
Patent Number:	6507648
Patent Number:	6345047
Patent Number:	7366183
Patent Number:	8166533
Patent Number:	8607323
Patent Number:	7478167
Patent Number:	6839322
Patent Number:	7869362
Patent Number:	8325707
Patent Number:	6879594

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	DARRELL G. DOTSON
SIGNATURE:	/Darrell G. Dotson/
DATE SIGNED:	03/26/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 9

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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 Corner, 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	09/725,960	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	60139337.5	DE	11/27/01	07/22/09	ACCESS CONTROL ENHANCEMENTS, NETWORK ACCESS UNIT AND SERVICE PROVIDER SERVER FOR DELIVERY OF VIDEO AND OTHER SERVICES
10-0985322	10-2503-7007244	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	2762099	CA	11/27/01	N/A	ACCESS CONTROL ENHANCEMENTS, NETWORK ACCESS UNIT AND SERVICE PROVIDER SERVER FOR DELIVERY OF VIDEO AND OTHER SERVICES
5,970,129	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
8,391,275	11/811,113	US	09/08/07	03/05/13	PROVIDING CALLING PARTY INFORMATION IN A REQUEST TO ESTABLISH A CALL SESSION
N/A	13/776,835	US	12/26/12	N/A	PROVIDING CALLING PARTY INFORMATION IN A REQUEST TO ESTABLISH A CALL SESSION
N/A	03590847.4	EP	11/08/01	N/A	PROVIDING CALLING PARTY INFORMATION IN A REQUEST TO ESTABLISH A CALL SESSION
N/A	10178409.8	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	08/862,302	US	05/23/97	10/10/00	RATE CONTROLLED BROADCAST FOR ACTIVATION OF ENTITIES IN LARGE SCALE DATA NETWORKS
6,272,848	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
2 259 493	10182541.2	FR	03/30/04	04/03/13	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
69827349.4	98310614.7	DE	12/22/98	11/03/04	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
1 441 481	04076023.3	DE	09/30/04	06/01/11	GIGABIT ETHERNET INTERFACE TO SYNCHRONOUS OPTICAL NETWORK (SONET) RING
2 259 493	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	09/073,658	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
7,397,763	11/355,640	US	02/16/06	07/08/08	ADMISSIONS CONTROL IN A CONNECTIONLESS COMMUNICATIONS NETWORK
7,664,123	10/763,035	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	06/29/12	MODULAR SCALABLE SWITCH ARCHITECTURE
8,582,569	13/463,657	US	05/07/12	12/11/13	MODULAR SCALABLE SWITCH ARCHITECTURE
6,661,788	09/311,942	US	05/14/99	12/03/03	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
60030938.4	00550108.4	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	08/896,485	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
7,031,295	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	02/05/02	03/07/04	METHOD AND APPARATUS FOR MANAGING THE FLOW OF DATA WITHIN A SWITCHING DEVICE
6,466,886	09/475,388	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
6,765,925	09/672,801	US	09/28/00	07/20/04	APPARATUS AND METHOD OF MAINTAINING STATE IN A DATA TRANSMISSION SYSTEM
6,880,564	09/884,684	US	06/19/01	12/27/05	MODULAR DATA COMMUNICATION EQUIPMENT SYSTEM
7,395,998	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	09/722,105	US	11/27/00	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	04/27/03	10/17/06	CONFIGURING USER INTERFACES OF CALL DEVICES
N/A	019240639.6	EP	04/03/01	N/A	CONFIGURING USER INTERFACES OF CALL DEVICES

Patent No.	Serial No.	Country	Filing Date	Issue Date	Title
N/A	10180882.1	EP	04/03/01	N/A	CONFIGURING USER INTERFACES OF CALL DEVICES
5,751,957	08/580,113	US	07/15/96	05/12/98	METHOD AND APPRATUS FOR AUTOMATICALLY CONFIGURING A NETWORK DEVICE TO SUPPORT A VIRTUAL NETWORK
6,365,357	08/060,439	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	09/219,496	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
7,360,183	10/430,518	US	05/16/03	04/29/08	DETECTING MULTIMEDIA CAPABILITY OF A CALLER
8,166,533	10/542,256	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	14/099,279	US	12/06/13	N/A	METHOD FOR PROVIDING MEDIA COMMUNICATION ACROSS FIREWALLS
7,476,167	10/389,397	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
60313305.1	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
6,838,322	09/501,517	US	02/09/00	01/04/05	METHOD AND SYSTEM FOR OPTICAL ROUTING VARIABLE-LENGTH PACKET DATA
7,869,862	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	11/408,858	US	04/21/06	12/04/12	SESSION INITIATION FROM APPLICATION SERVERS IN AN IP MULTIMEDIA SUBSYSTEM
N/A	13/581,621	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	06744537.9	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	09/538,533	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

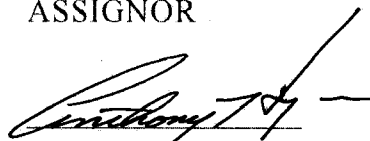
In addition, Assignor agrees to and hereby does sell, assign, transfer and convey unto Assignee all Assignor's rights (i) in and to causes of action and enforcement rights for the Patent Rights including all of Assignor's rights to pursue damages, injunctive relief and other remedies for past, present 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
Notary Public, State of New York
No. 01LA5051937
Qualified in Queens County
Commission Expires November 13, 20 17