PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4006236

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SPHERIX INCORPORATED	05/24/2016

RECEIVING PARTY DATA

Name:	INTERNATIONAL LICENSE EXCHANGE OF AMERICA, LLC
Street Address:	10 BALLIGOMINGO RD.
Internal Address:	SUITE P
City:	WEST CONSHOHOCKEN
State/Country:	PENNSYLVANIA
Postal Code:	19428

PROPERTY NUMBERS Total: 6

Property Type	Number
Patent Number:	7478167
Patent Number:	6970461
Patent Number:	7158515
Patent Number:	6222848
Patent Number:	6697325
Patent Number:	7274704

CORRESPONDENCE DATA

Fax Number: (302)353-4251

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.

Phone: 3024499010
Email: dwu@devlinlawfirm.com
Correspondent Name: DOLLY WU
Address Line 1: 1306 N. BROOM ST. SUITE 1
Address Line 4: WILMINGTON, DELAWARE 19806

NAME OF SUBMITTER:	DOLLY WU
SIGNATURE:	/Dolly Wu/
DATE SIGNED:	08/15/2016

Total Attachments: 6

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U.S. PATENT ASSIGNMENT

WHEREAS, Spherix Incorporated and its wholly-owned subsidiary NNPT, LLC (collectively "Assignor"), are the owners of (i) United States Patent and Patent Applications listed in Schedule A and the following (ii) through (iv) to the extent Assignor owns, controls or has the right to license or enforce them at any time: (ii) any patents or patent applications that claim priority directly or indirectly from any of the foregoing patent(s) in subsection (i), or from which priority is directly or indirectly claimed by any such patent(s) in subsection (i), or that have common priority with any such patent(s) in subsection (i); (iii) any foreign counterparts, foreign related patents, continuations, divisionals, continuations-in-part, extensions, substitutions, reissues, renewals and all results of oppositions, reexaminations, supplemental examinations, requests for continued examination and other review procedures of any of the foregoing in subsections (i) and (ii); and (iv) all patents issuing on patent applications covered by any of the foregoing subsections (i) through (iii) (together the "Patents").
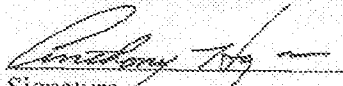
WHEREAS, International License Exchange of America, LLC, a Delaware limited liability company, ("Assignee"), a wholly-owned subsidiary of Equitable IP Corporation, is desirous of acquiring title in and to the Patents.

WHEREAS, Assignor is the owner of any and all right, title, and interest in and to the Patents.

WHEREAS, Assignor desires to sell, assign, and transfer all its right, title, and interest in the Patents to Assignee, and Assignee desires to obtain all such right, title, and interest in the Patents from Assignor.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, Assignor hereby sells, assigns, transfers and conveys unto Assignee, its permitted successors and assigns, all of Assignor's right, title, and interest in and to the Patents, together with all claims, demands, or causes of action that Assignor has or might have by reason of any infringement of the Patents prior to the effective date of this assignment, including the right to sue and collect damages for all past, present and future infringement and all lost profits resulting therefrom. Assignee hereby grants back to Assignor a non-transferable, non-assignable license, without the right to sublicense, for the use of the Patents.
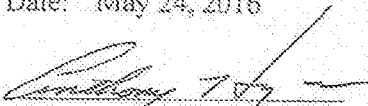
IN WITNESS WHEREOF, this Agreement has been executed by duly authorized representatives of the Parties on the dates below.

_____
Signature

Anthony Hayes
Name

Spherix, Inc.

Date: May 24, 2016

_____
Signature

Anthony Hayes
Name

NNPT, LLC.

Date: May 24, 2016

_____
Signature

Eric Stamell
Name

INTERNATIONAL LICENSE EXCHANGE
OF AMERICA, LLC

Date: May 24, 2016

SCHEDULE A

Spherix Incorporated	US5959990	VLAN frame format
Spherix Incorporated	USRE40999	VLAN frame format
Spherix Incorporated	USRE44775	VLAN frame format
Spherix Incorporated	USRE45081	VLAN frame format
Spherix Incorporated	USRE45708	VLAN frame format
Spherix Incorporated	USRE45095	VLAN frame format
Spherix Incorporated	USRE45121	VLAN frame format
Spherix Incorporated	USRE45598	VLAN frame format
Spherix Incorporated	APP US13/728770	VLAN frame format
Spherix Incorporated	USRE45065	VLAN frame format
Spherix Incorporated	US6111876	VLAN frame format
Spherix Incorporated	USRE45521	VLAN frame format
NNPT, LLC	US6130877	Rate controlled broadcast for activation of entities in large scale data networks
Spherix Incorporated	US5970125	Method system and apparatus for causing customer premises equipment to automatically call a telecommunications server
Spherix Incorporated	US6222848	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	GB0924901	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	GB1441481	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	GB2259499	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	FR0924901	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	FR1441481	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	FR2259499	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	DE69827349.4	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	DE1441481	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	DE2259499	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	CA2256014	Gigabit ethernet interface to synchronous optical network (SONET) ring

Spherix Incorporated	CH0924901	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	FI0924901	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	IT0924901	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	LI0924901	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	NL0924901	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	SE0924901	Gigabit ethernet interface to synchronous optical network (SONET) ring
Spherix Incorporated	US6404765	Method and apparatus for transporting DS-X signals through a packet network
Spherix Incorporated	US6807174	Method and apparatus for transporting DS-X signals through a packet network
Spherix Incorporated	US6345047	Computer telephony adapter and method
Spherix Incorporated	US6745243	Method and apparatus for network caching and load balancing
Spherix Incorporated	US6952740	Apparatus and method of maintaining a route table
Spherix Incorporated	GB1091524	Switch for optical signals
Spherix Incorporated	FR1091524	Switch for optical signals
Spherix Incorporated	DE60030930.4	Switch for optical signals
NNPT, LLC	US6697325	System device and method for expediting reconvergence in a communication network
Spherix Incorporated	US6466986	Method and apparatus for providing dynamic host configuration protocol (DHCP) tagging
Spherix Incorporated	CA2317783	Method and apparatus for providing dynamic host configuration protocol (DHCP) tagging
Spherix Incorporated	US6839322	Method and system for optical routing of variable-length packet data
Spherix Incorporated	US7869362	Method and system for optical routing of variable-length packet data
Spherix Incorporated	GB1126740	Method and system for optical routing of variable-length packet data
Spherix Incorporated	FR1126740	Method and system for optical routing of variable-length packet data
Spherix Incorporated	DE60139095.4	Method and system for optical routing of variable-length packet data

Spherix Incorporated	CA2334549	Method and system for optical routing of variable-length packet data
Spherix Incorporated	US7123700	Configuring user interfaces of call devices
Spherix Incorporated	APP EP019240639.6	Configuring user interfaces of call devices
Spherix Incorporated	APP EP10180892.1	Configuring user interfaces of call devices
Spherix Incorporated	US6879594	System and method for loop avoidance in multi-protocol label switching
Spherix Incorporated	DE60022057.5	System and method for loop avoidance in multi-protocol label switching
Spherix Incorporated	GB1201061	Method for avoiding loops in MLPS
Spherix Incorporated	FR1201061	Method for avoiding loops in MLPS
Spherix Incorporated	US7156515	Method of optical network bandwidth representation for optical label switching networks
Spherix Incorporated	US6882800	Optical switching system for switching opticals signals in wavelength groups
Spherix Incorporated	US7277533	Providing calling party information in a request to establish a call session
Spherix Incorporated	US8391275	Providing calling party information in a request to establish a call session
Spherix Incorporated	US9008294	Providing calling party information in a request to establish a call session
Spherix Incorporated	APP EP01990847.4	Providing calling party information in a request to establish a call session
Spherix Incorporated	APP EP10178409.8	Providing calling party information in a request to establish a call session
Spherix Incorporated	US7478167	Resource allocation using an auto-discovery mechanism for provider-provisioned layer-2 and layer-3 virtual private networks
Spherix Incorporated	DE60313306.1	Resource allocation using an auto-discovery mechanism for provider-provisioned layer-2 and layer-3 virtual private networks
Spherix Incorporated	FR1488577	Resource allocation using an auto-discovery mechanism for provider-provisioned layer-2 and layer-3 virtual private networks
Spherix Incorporated	GB1488577	Resource allocation using an auto-discovery mechanism for provider-provisioned layer-2 and layer-3 virtual private networks
Spherix Incorporated	US7385998	Method and apparatus for encapsulating services for transportation over metallic physical mediums
Spherix Incorporated	US7397763	Admissions control in a connectionless communications network

Spherix Incorporated	US8325707	Session initiation from application servers in an IP multimedia subsystem
Spherix Incorporated	APP US13/681621	Session initiation from application servers in an IP multimedia subsystem
Spherix Incorporated	APP CA2605475	Session initiation from application servers in an IP multimedia subsystem
Spherix Incorporated	APP EP06744537.9	Session initiation from application servers in an IP multimedia subsystem
Spherix Incorporated	APP HK08106619.0	Session initiation from application servers in an IP multimedia Subsystem

Spherix Incorporated	US7664123	Generalized virtual router
Spherix Incorporated	US6970461	Access control enhancements for delivery of video and other services
Spherix Incorporated	US8607323	Method for providing media communication across firewalls
Spherix Incorporated switching device	RE40467	Method and apparatus for managing the flow of data within a
Spherix Incorporated architectures	US7274704	Piggybacking VPN information in BGP for network based VPN