PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Lightsmyth Technologies, Inc.	08/14/2008

RECEIVING PARTY DATA

Name:	Steyphi Services DE LLC
Street Address:	160 Greentree Drive, Suite 101
City:	Dover
State/Country:	DELAWARE
Postal Code:	19904

PROPERTY NUMBERS Total: 39

Property Type	Number
Patent Number:	6879441
Patent Number:	6859318
Patent Number:	6965464
Patent Number:	6678429
Patent Number:	6829417
Patent Number:	6985656
Patent Number:	6987911
Patent Number:	6990276
Patent Number:	7194164
Patent Number:	7054517
Patent Number:	6965716
Patent Number:	6993223
Patent Number:	7123794
Patent Number:	7181103
Patent Number:	7062128

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Patent Number:	7009743
Application Number:	11280876
Patent Number:	7116453
Patent Number:	7203401
Patent Number:	7224867
Patent Number:	7190859
Patent Number:	7286732
Application Number:	11334039
Patent Number:	6823115
Patent Number:	6961491
Patent Number:	7063260
Patent Number:	7341189
Patent Number:	7260290
Patent Number:	7120334
Patent Number:	7292755
Patent Number:	7327908
Patent Number:	7330614
Patent Number:	7333692
Patent Number:	7359597
Application Number:	11676273
Application Number:	11774567
Patent Number:	7190856
Patent Number:	7190858
Patent Number:	7224855

CORRESPONDENCE DATA

Fax Number: (503)796-2900

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 5032229981

Email: cdoolittle@schwabe.com

Correspondent Name: Schwabe, Williamson & Wyatt, P.C.

Address Line 1: 1211 SW Fifth Avenue

Address Line 2: Suite 1900

Address Line 4: Portland, OREGON 97204

ATTORNEY DOCKET NUMBER:	120025-
NAME OF SUBMITTER:	Robert D. McDowell

Total Attachments: 9
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ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Lightsmyth Technologies, Inc., a Delaware corporation, with an office at 1720 Willow Creek Circle, Suite 520, Eugene, OR 97402 (**"*Assignor*"**), does hereby sell, assign, transfer, and convey unto Steyphi Services DE LLC, a Delaware limited liability company, with an address at 160 Greentree Drive, Suite 101, Dover DE 19904 (**"*Assignee*"**), or its designees, and subject to a separate Patent Purchase Agreement entered into by the parties, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the **"*Patent Rights*"**):

(a) the provisional patent applications, patent applications and patents listed in the table below (the **"*Patents*"**);

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, (ii) for which any of the Patents directly or indirectly forms a basis for priority, and/or (iii) that were co-owned applications that incorporate by reference, or are incorporated by reference into, the Patents;

(c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

(d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents below and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;

(f) inventions, invention disclosures, and discoveries described in any of the Patents and/or any item in the foregoing categories (b) through (e) that (i) are included in any claim in the Patents and/or any item in the foregoing categories (b) through (e), (ii) are subject matter capable of being reduced to a patent claim in a reissue or reexamination proceedings brought on any of the Patents and/or any item in the foregoing categories (b) through (e), and/or (iii) could have been included as a claim in any of the Patents and/or any item in the foregoing categories (b) through (e);

(g) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (f), 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; TWM

(h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for

(1) damages,
(2) injunctive relief, and
(3) any other remedies of any kind

for past, current, and future infringement; and

(i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h).

Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
6,879,441 (09/811,081)	US	4/12/2005 (3/16/2001)	Holographic spectral filter Mossberg, Thomas
6,859,318 (10/602,327)	US	2/22/2005 (6/23/2003)	Method for forming a holographic spectral filter Mossberg, Thomas W.
6,965,464 (09/843,597)	US	11/15/2005 (4/26/2001)	Optical processor Mossberg, Thomas W.
6,678,429 (10/229,444)	US	1/13/2004 (8/27/2002)	Amplitude and phase control in distributed optical structures Mossberg, Thomas W.; Greiner, Christoph M.
EP02796438.6	EP	8/27/2002	AMPLITUDE AND PHASE CONTROL IN DISTRIBUTED OPTICAL STRUCTURES MOSSBERG THOMAS W; GREINER CHRISTOPH M
JP2003-524057	JP	8/27/2002	Inventorship not available

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
6,829,417 (10/653,876)	US	12/7/2004 (9/2/2003)	Amplitude and phase control in distributed optical structures Greiner, Christoph M.; Iazikov, Dmitri; Mossberg, Thomas W.
6,985,656 (10/794,634)	US	1/10/2006 (3/5/2004)	Temperature-compensated planar waveguide optical apparatus Iazikov, Dmitri; Mossberg, Thomas W.; Greiner, Christoph M.
6,987,911 (10/842,790)	US	1/17/2006 (5/11/2004)	Multimode planar waveguide spectral filter Mossberg, Thomas W.; Greiner, Christoph M.; Iazikov, Dmitri
6,990,276 (10/857,987)	US	1/24/2006 (5/29/2004)	Optical waveform recognition and/or generation and optical switching Brice, Lawrence D.; Greiner, Christoph M.; Mossberg, Thomas W.; Iazikov, Dmitri
7,194,164 (10/898,527)	US	3/20/2007 (7/22/2004)	Distributed optical structures with improved diffraction efficiency and/or improved optical coupling Iazikov, Dmitri; Greiner, Christoph M.; Mossberg, Thomas W.
7,054,517 (10/923,455)	US	5/30/2006 (8/21/2004)	Multiple-wavelength optical source Mossberg, Thomas W.; Iazikov, Dmitri; Greiner, Christoph M.

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
6,965,716 (10/989,236)	US	11/15/2005 (11/15/2004)	Amplitude and phase control in distributed optical structures Greiner, Christoph M.; Iazikov, Dmitri; Mossberg, Thomas W.
6,993,223 (10/998,185)	US	1/31/2006 (11/26/2004)	Multiple distributed optical structures in a single optical element Greiner, Christoph M.; Iazikov, Dmitri; Mossberg, Thomas W.
7,123,794 (11/055,559)	US	10/17/2006 (2/9/2005)	Distributed optical structures designed by computed interference between simulated optical signals Greiner, Christoph M.; Iazikov, Dmitri; Mossberg, Thomas W.
7,181,103 (11/062,109)	US	2/20/2007 (2/17/2005)	Optical interconnect structures incorporating sets of diffractive elements Greiner, Christoph M.; Iazikov, Dmitri; Mossberg, Thomas W.
7,062,128 (11/076,251)	US	6/13/2006 (3/8/2005)	Holographic spectral filter Mossberg, Thomas W.
7,009,743 (11/239,540)	US	3/7/2006 (9/28/2005)	Optical processor Mossberg, Thomas W.
11/280,876	US	11/15/2005	Amplitude and phase control in distributed optical structures Greiner, Christoph M.; Iazikov, Dmitri; Mossberg, Thomas W.
7,116,453 (11/361,407)	US	10/3/2006 (2/23/2006)	Optical processor Mossberg, Thomas W.

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
7,203,401 (11/383,494)	US	4/10/2007 (5/16/2006)	Multiple wavelength optical source Mossberg, Thomas W.; Iazikov, Dmitri; Greiner, Chistoph M.
7,224,867 (11/423,856)	US	5/29/2007 (6/13/2006)	Holographic spectral filter Mossberg, Thomas W.
7,190,859 (11/532,532)	US	3/13/2007 (9/17/2006)	Distributed optical structures in a planar waveguide coupling in-plane and out-of-plane optical signals Greiner, Christoph M.; Iazikov, Dmitri; Mossberg, Thomas W.
7,286,732 (11/685,212)	US	10/23/2007 (3/13/2007)	Distributed optical structures designed by computed interference between simulated optical signals Greiner, Christoph M.; Mossberg, Thomas W.; Iazikov, Dmitri
11/334,039	US	1/17/2006	Multimode planar waveguide spectral filter Mossberg, Thomas W.; Greiner, Christoph M.; Iazikov, Dmitri
6,823,115 (10/798,089)	US	11/23/2004 (3/10/2004)	Optical structures distributed among multiple optical waveguides Greiner, Christoph M.; Mossberg, Thomas W.; Iazikov, Dmitri

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
6,961,491 (10/989,244)	US	11/1/2005 (11/15/2004)	Optical structures distributed among multiple optical waveguides Greiner, Christoph M.; Iazikov, Dmitri; Mossberg, Thomas W.
7,063,260 (10/704,019)	US	6/20/2006 (11/4/2003)	Spectrally-encoded labeling and reading Mossberg, Thomas W.; Greiner, Christoph M.; Iazikov, Dmitri; Alavi, David S.
7,341,189 (11/425,369)	US	(6/20/2006)	Spectrally-encoded labeling and reading MOSSBERG THOMAS W; GREINER CHRISTOPH M; IAZIKOV DMITRI; ALAVI DAVID S
7,260,290 (11/021,549)	US	8/21/2007 (12/23/2004)	Distributed optical structures exhibiting reduced optical loss Greiner, Christoph M.; Iazikov, Dmitri; Mossberg, Thomas W.
7,120,334 (11/213,345)	US	10/10/2006 (8/25/2005)	Optical resonator formed in a planar optical waveguide with distributed optical structures Greiner, Christoph M.; Iazikov, Dmitri; Mossberg, Thomas W.
7,292,755 (11/548,279)	US	11/6/2007 (10/10/2006)	Optical resonator formed in a planar optical waveguide with a distributed optical structure Greiner, Christoph M.; Iazikov, Dmitri; Mossberg, Thomas W.

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
7,327,908 (11/371,339)	US	2/5/2008 (3/7/2006)	Integrated optical sensor incorporating sets of diffractive elements Iazikov, Dmitri; Greiner, Christoph M.; Mossberg, Thomas W.
7,330,614 (11/298,290)	US	2/12/2008 (12/9/2005)	Integrated optical spectrometer incorporating sets of diffractive elements Mossberg, Thomas W.; Iazikov, Dmitri; Greiner, Christoph M.
7,333,692 (11/552,501)	US	2/19/2008 (10/24/2006)	Optical waveguide assembled with an optical subunit having a diffractive element set and an optical component MOSSBERG THOMAS W; GREINER CHRISTOPH M; IAZIKOV DMITRI
7,359,597 (11/210,439)	US	4/15/2008 (8/23/2005)	BIREFRINGENCE CONTROL IN PLANAR OPTICAL WAVEGUIDES IAZIKOV DMITRI; GREINER CHRISTOPH M; MOSSBERG THOMAS W
11/676,273	US		Inventorship not available
11/774,567	US		Inventorship not available
7,190,856 (11/277,491)	US	3/13/2007 (3/25/2006)	Reconfigurable optical add-drop multiplexer incorporating sets of diffractive elements Iazikov, Dmitri; Greiner, Christoph M.; Mossberg, Thomas W.

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Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
7,190,858 (11/155,327)	US	3/13/2007 (6/16/2005)	Optical time delay apparatus incorporating diffractive element sets Greiner, Christoph M.; Mossberg, Thomas W.; Iazikov, Dmitri
7,224,855 (10/740,194)	US	5/29/2007 (12/17/2003)	Optical multiplexing device Iazikov, Dmitri; Mossberg, Thomas W.; Greiner, Christoph M.

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Assignor represents, warrants and covenants that:

(1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and

(2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

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

Assignor will, at the reasonable request of Assignee and without demanding any further consideration therefore, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights.

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

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Eugene, OR on 8/14/08.

ASSIGNOR:

Lightsmyth Technologies, Inc.

By: Thomas W Mossberg
Name: Thomas W. Mossberg
Title: President
(Signature MUST be notarized)

STATE OF Oregon)
) ss.
COUNTY OF Lane)

On 8/14/08, before me, Anna Bardin, Notary Public in and for said State, personally appeared Thomas W. Mossberg, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Anna Bardin