

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3329335

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	BYTELIGHT, INC.	04/15/2015
RECEIVING PARTY DATA		
Name:	ABL IP HOLDING LLC	
Street Address:	ONE LITHONIA WAY	
City:	CONYERS	
State/Country:	GEORGIA	
Postal Code:	30012	
PROPERTY NUMBERS Total: 41		
Property Type	Number	
Application Number:	61567484	
PCT Number:	US1248164	
Application Number:	61511589	
Application Number:	13369144	
Application Number:	13369147	
Application Number:	14464324	
Application Number:	14464327	
Application Number:	14464328	
Application Number:	13422580	
Application Number:	13591014	
Application Number:	13422591	
Application Number:	14490207	
Application Number:	13435448	
Application Number:	13445019	
Application Number:	13446506	
Application Number:	13446520	
Application Number:	13526773	
Application Number:	61635413	
Application Number:	13526779	
Application Number:	61639428	

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Property Type	Number
Application Number:	13526781
Application Number:	13526788
Application Number:	13526656
Application Number:	13718233
Application Number:	14163772
Application Number:	13526808
Application Number:	13526812
Application Number:	13526814
Application Number:	14019376
Application Number:	61697098
Application Number:	14058678
PCT Number:	US1365923
Application Number:	61715950
Application Number:	14210832
Application Number:	61788307
Application Number:	14297254
Application Number:	61831380
Application Number:	61908460
Application Number:	62052207
Application Number:	14553424
PCT Number:	US1467390

CORRESPONDENCE DATA

Fax Number: (404)541-4793

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: 404-815-6500

Email: ghamrick@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP

Address Line 1: 1100 PEACHTREE ST., NE

Address Line 2: SUITE 2800

Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	N0023-055975
NAME OF SUBMITTER:	GINA HAMRICK
SIGNATURE:	/Gina Hamrick/
DATE SIGNED:	04/28/2015

Total Attachments: 12
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ASSIGNMENT

WHEREAS, BYTELIGHT, INC., a Delaware corporation having its principal place of business at 374 Congress St., # S-306, Boston, Massachusetts 02210-1807 ("Assignor"), owns certain inventions and improvements disclosed in the Letters Patent and Patent Applications listed on Schedule A hereto (collectively, the "Patents and Patent Applications"); and

WHEREAS, ABL IP HOLDING LLC, a Georgia limited liability company having its principal place of business at 1170 Peachtree Street, NE, Suite 2400, Atlanta, Georgia 30309 (hereinafter, "Assignee"), is desirous of acquiring an interest in the Patents and Patent Applications;

NOW, THEREFORE, for and in consideration of Five Dollars (\$5.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee, the full, exclusive and entire right, title, and interest in and to said Patents and Patent Applications, including any and all divisions, continuations, continuations in part, reexaminations and reissues thereof, and in and to all inventions and improvements disclosed and described in said Patents and Patent Applications, preparatory to obtaining Letters Patent therefor; and Assignor hereby requests the United States Commissioner of Patents and Trademarks to issue any and all Letters Patent resulting from said Patents and Patent Applications, or from any divisional, continuation, continuation in part, reexamination or reissue thereof, to ABL IP Holding LLC, as the assignee, for its interest and for the sole use and benefit of ABL IP Holding LLC, and its assigns and legal representatives;

For the same consideration, Assignor, by these presents does sell, assign, and transfer to ABL IP Holding LLC, the full, exclusive, and entire right, title and interest in and to any and all foreign Letters Patent or applications corresponding to any of said Patents and Patent Applications, including any divisional, continuation, continuation in part, reexamination or reissue thereof, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of ABL IP Holding LLC, or its designee insofar as permitted by applicable law;

AND, for the same consideration, Assignor agrees to sign all lawful papers, and to execute all divisional, continuing, continuation in part, reissue and other applications, make all assignments and rightful oaths, and generally do everything reasonably requested by ABL IP Holding LLC, its successors, assigns, and nominees, to aid the same to obtain and enforce proper protection, including the right to sue for patent infringement, for all said inventions and improvements in all countries throughout the world.

[Signature Page to Follow]

IN WITNESS WHEREOF, the undersigned have caused this Assignment to be executed by their duly authorized officers this 15th day of April, 2015.

ASSIGNOR:

BYTELIGHT, INC.

By: 

Daniel Ryan
Chief Executive Officer

ASSIGNEE:

ABL IP HOLDING LLC

By: _____

Richard K. Reece
Executive Vice President &
Chief Financial Officer

CERTIFICATE OF ACKNOWLEDGEMENT

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF SUFFOLK

Before me, the undersigned attesting officer duly authorized to administer oaths, a Notary Public, on this 25th day of April, 2015, personally appeared Daniel Ryan, to me known personally, and who, being by me duly sworn, deposes and says that he is the Chief Executive Officer of ByteLight, Inc., and that said instrument was signed on behalf of said company by authority of its Board of Directors, and said Officer acknowledged said instrument to be the free act and deed of said company.



NOTARY PUBLIC

My Commission Expires: 3/18/20

(SEAL)

IN WITNESS WHEREOF, the undersigned have caused this Assignment to be executed by their duly authorized officers this 15th day of April, 2015.

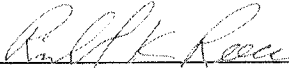
ASSIGNOR:

ASSIGNEE:

BYTELIGHT, INC.

ABL IP HOLDING LLC

By: _____
Daniel Ryan
Chief Executive Officer

By:  _____
Richard K. Reece
Executive Vice President &
Chief Financial Officer

CERTIFICATE OF ACKNOWLEDGEMENT

STATE OF GEORGIA

COUNTY OF HENRY

Before me, the undersigned attesting officer duly authorized to administer oaths, a Notary Public, on this 15th day of April, 2015, personally appeared Richard K. Reece, to me known personally, and who, being by me duly sworn, deposes and says that he is the Executive Vice President and Chief Financial Officer of ABL IP Holding LLC, and that said instrument was signed on behalf of said company by authority of its Board of Managers, and said Officer acknowledged said instrument to be the free act and deed of said company.



NOTARY PUBLIC: M. Lisa Larkins

(SEAL)

My Commission Expires: December 2, 2016

SCHEDULE A

Patents and Patent Applications

DOCKET NUMBER	COUNTRY NAME	MATTER TYPE	APPL. #	FILING DATE	PUB. #	PUB. DATE	TITLE	PATENT #	PATENT DATE	STATUS	UPCOMING DEADLINE
<u>BYT-120CA/7318598</u> <u>001</u>	Canada	Utility NSPCT	- 2,842,826	Jul 25, 2012			SELF IDENTIFYING MODULATED LIGHT SOURCE			Pending	
<u>BYT-120EP/7318598</u> <u>002</u>	European Patent Office	Utility NSPCT	- 12817835.7	Jul 25, 2012	2737779	Jun 4, 2014	SELF IDENTIFYING MODULATED LIGHT SOURCE			Pending	
<u>BYT-120PC</u>	PCT	Utility ORG	- US12/48164	Jul 25, 2012			SELF IDENTIFYING MODULATED LIGHT SOURCE			Expired	
<u>BYT-120PR</u>	United States of America	Prov ORG	- 61/567,484	Dec 6, 2011			SYSTEMS AND METHODS FOR LIGHT BASED LOCATION			Expired	
<u>BYT-120PR2</u>	United States of America	Prov ORG	- 61/511,589	Jul 26, 2011			SYSTEM USING OPTICAL ENERGY FOR WIRELESS DATA TRANSFER			Expired	
<u>BYT-120TW/7318598</u> <u>8003</u>	Taiwan R.O.C.	Utility ORG	- 101127069	Jul 26, 2012			SYSTEMS AND METHODS FOR LIGHT BASED LOCATION			Pending	
<u>BYT-122/7318602001</u>	United States of America	Utility ORG	- 13/569,144	Feb 8, 2012	2013-0141554	Jun 6, 2013	INDEPENDENT BEACON BASED LIGHT POSITION SYSTEM			Published	Response to Office Action due 03/30/2015 (+ two- month extension)
<u>BYT-123/7318612001</u>	United States of America	Utility ORG	- 13/569,147	Feb 8, 2012	2013-0141555	Jun 6, 2013	CONTENT DELIVERY BASED ON A LIGHT POSITIONING SYSTEM	8964016	2/24/15	Issued	

DOCKET NUMBER	COUNTRY NAME	MATTER TYPE	APPL. #	FILING DATE	PUB. #	PUB. DATE	TITLE	PATENT #	PATENT DATE	STATUS	UPCOMING DEADLINE
BYT- <u>123C1/7318613</u> 001	United States of America	Utility CON	- 14/464,324	Aug 20, 2014			CONTENT DELIVERY BASED ON A LIGHT POSITIONING SYSTEM	8957951	2/17/15	Allowed	Issue fee due 05/04/2015
BYT- <u>123C2/7318613</u> 002	United States of America	Utility CON	- 14/464,327	Aug 20, 2014			CONTENT DELIVERY BASED ON A LIGHT POSITIONING SYSTEM			Issued	
BYT- <u>123C3/7318613</u> 003	United States of America	Utility CON	- 14/464,328	Aug 20, 2014			CONTENT DELIVERY BASED ON A LIGHT POSITIONING SYSTEM			Allowed	
BYT-124/ <u>123C4/7318613</u>	United States of America	Utility CON	- 13/422,580	Mar 16, 2012			LIGHT POSITIONING SYSTEM USING DIGITAL PULSE RECOGNITION	8248467	8/21/12	Issued	Issue fee due 05/09/2015
BYT- <u>124C1/7318623</u> 001	United States of America	Utility CON	- 13/591,014	Aug 21, 2012	2013-0028475	Jan 31, 2013	LIGHT POSITIONING SYSTEM USING DIGITAL PULSE RECOGNITION	8994814	3/31/15	Issued	
BYT- <u>125/7318633001</u>	United States of America	Utility CON	- 13/422,591	Mar 16, 2012	2013-0026940	Jan 31, 2013	SELF IDENTIFYING MODULATED LIGHT SOURCE	8,866,391	10/21/14	Issued	
BYT-125C1/ <u>126/7318643001</u>	United States of America	Utility CON	- 14/490,207	Sep 18, 2014			SELF IDENTIFYING MODULATED LIGHT SOURCE			Pending	
BYT- <u>126/7318643001</u>	United States of America	Utility CON	- 13/435,448	Mar 30, 2012	2013-47	Jan 31, 2013	A METHOD AND SYSTEM FOR CALIBRATING A LIGHT BASED POSITIONING SYSTEM			Abandoned	
BYT- <u>127/7318653001</u>	United States of America	Utility CON	- 13/445,019	Apr 12, 2012	2013-41	Jan 31, 2013	SINGLE WAVELENGTH LIGHT SOURCE FOR USE IN LIGHT BASED POSITIONING			Abandoned	

DOCKET NUMBER	COUNTRY NAME	MATTER TYPE	APPL. #	FILING DATE	PUB. #	PUB. DATE	TITLE	PATENT #	PATENT DATE	STATUS	UPCOMING DEADLINE
<u>BYT-129/7318663001</u>	United States of America	Utility CON	13/446,506	Apr 13, 2012	2013-0026224	Jan 31, 2013	METHOD AND SYSTEM FOR DETERMINING THE POSITION OF A DEVICE IN A LIGHT BASED POSITIONING SYSTEM USING LOCALLY STORED MAPS	8994799	3/31/15	Issued	
<u>BYT-129/7318673001</u>	United States of America	Utility CON	13/446,520	Apr 13, 2012	2013-0029682	Jan 31, 2013	METHOD AND SYSTEM FOR TRACKING AND ANALYZING DATA OBTAINED USING A LIGHT BASED POSITIONING SYSTEM	8947513	2/3/15	Issued	
<u>BYT-130/</u>	United States of America	Utility CIP	13/526,773	Jun 19, 2012	2013-0027576	Jan 31, 2013	METHOD AND SYSTEM FOR DIGITAL PULSE RECOGNITION DEMODULATION	8416290	4/9/13	Issued	
<u>BYT-130PR/</u>	United States of America	Prov ORG	61/635,413	Apr 19, 2012			DIGITAL PULSE RECOGNITION DEMODULATION TECHNIQUES FOR LIGHT BASED POSITIONING			Expired	
<u>BYT-131/</u>	United States of America	Utility CIP	13/526,779	Jun 19, 2012	2013-0028609	Jan 31, 2013	METHOD AND SYSTEM FOR DEMODULATING A DIGITAL PULSE RECOGNITION SIGNAL IN A LIGHT BASED POSITIONING SYSTEM USING A FOURIER TRANSFORM	8436896	5/7/13	Issued	

DOCKET NUMBER	COUNTRY NAME	MATTER TYPE	APPL. #	FILING DATE	PUB. #	PUB. DATE	TITLE	PATENT #	PATENT DATE	STATUS	UPCOMING DEADLINE
BYT-131PR/ BYT-131PR/	United States of America	Prov ORG	61/639,428	Apr 27, 2012			METHOD FOR MEASURING MODULATION FREQUENCY OF A LIGHT SOURCE			Expired	
BYT-132/7318684001	United States of America	Utility CIP	13/526,781	Jun 19, 2012	2013-0026945	Jan 31, 2013	METHOD AND SYSTEM FOR MODIFYING A BEACON LIGHT SOURCE FOR USE IN A LIGHT BASED POSITIONING SYSTEM	8457502	6/4/13	Published	Response to Final Office Action due 04/05/2015 (+ two-month extension)
BYT-133/	United States of America	Utility CIP	13/526,788	Jun 19, 2012			METHOD AND SYSTEM FOR MODULATING A BEACON LIGHT SOURCE IN A LIGHT BASED POSITIONING SYSTEM			Issued	
BYT-134/	United States of America	Utility CIP	13/526,656	Jun 19, 2012			METHOD AND SYSTEM FOR CONFIGURING AN IMAGING DEVICE FOR THE RECEPTION OF DIGITAL PULSE RECOGNITION INFORMATION	8334898	12/18/12	Issued	
BYT-134C/17318693001	United States of America	Utility CON	13/718,233	Dec 18, 2012	2013-0208132	Aug 15, 2013	METHOD AND SYSTEM FOR CONFIGURING AN IMAGING DEVICE FOR THE RECEPTION OF DIGITAL PULSE RECOGNITION INFORMATION			Published	

DOCKET NUMBER	COUNTRY NAME	MATTER TYPE	APPL.#	FILING DATE	PUB.#	PUB. DATE	TITLE	PATENT #	PATENT DATE	STATUS	UPCOMING DEADLINE
BYT-134C2/7318693 002	United States of America	Utility of CON	14/163,772	Jan 24, 2014	2014-0139744	May 22, 2014	METHOD AND SYSTEM FOR PROCESSING VIDEO TO REMOVE NOISE FROM A DIGITAL VIDEO SEQUENCE CONTAINING A MODULATED LIGHT SIGNAL	8334901	12/18/12	Issued	Published
BYT-135/	United States of America	Utility of CIP	13/526,808	Jun 19, 2012			METHOD AND SYSTEM FOR MODULATING A LIGHT SOURCE IN A LIGHT BASED POSITIONING SYSTEM USING A DC BIAS	8432438	4/30/13	Issued	
BYT-136/	United States of America	Utility of CIP	13/526,812	Jun 19, 2012			DEVICE FOR DIMMING A BEACON LIGHT SOURCE USED IN A LIGHT BASED POSITIONING SYSTEM	8520065	8/27/13	Issued	
BYT-137/	United States of America	Utility of CIP	13/526,814	Jun 19, 2012			METHOD AND SYSTEM FOR PROCESSING TO DETERMINE DIGITAL PULSE RECOGNITION TONES				Published
BYT-139/7318704001	United States of America	Utility of CIP	14/019,376	Sep 5, 2013	2014-0045549	Feb 13, 2014	CONFIGURATION AND MANAGEMENT OF LIGHT POSITIONING SYSTEM USING DIGITAL PULSE RECOGNITION				

DOCKET NUMBER	COUNTRY NAME	MATTER TYPE	APPL. #	FILING DATE	PUB. #	PUB. DATE	TITLE	PATENT #	PATENT DATE	STATUS	UPCOMING DEADLINE
BYT-1417318714001	United States of America	Utility of CIP	14/058,678	Oct 21, 2013	2014-0086590	Mar 27, 2014	CONFIGURATION AND MANAGEMENT OF LIGHT POSITIONING SYSTEM USING DIGITAL PULSE RECOGNITION			Expired	
BYT-1417318714001	United States of America	Utility of CIP	14/058,678	Oct 21, 2013	2014-0086590	Mar 27, 2014	SELF-IDENTIFYING ONE-WAY AUTHENTICATION METHOD USING OPTICAL SIGNALS			Published	
BYT-141731872001	PCT	Utility of CIP	US13/65923	Oct 21, 2013	WO 2014/063150	Jul 3, 2014	SELF-IDENTIFYING ONE-WAY AUTHENTICATION METHOD USING OPTICAL SIGNALS			Published	National-Phase filing deadline is 04/19/2015
BYT-141731872001	United States of America	Prov of CIP	61/715,950	Oct 19, 2012			SELF-IDENTIFYING ONE-WAY AUTHENTICATION METHOD USING OPTICAL SIGNALS			Expired	
BYT-1427318722001	United States of America	Utility of CIP	14/210,832	Mar 14, 2014	2014-0280316	Sep 18, 2014	LOCATION-BASED MOBILE SERVICES AND APPLICATIONS			Published	
BYT-1427318722001	United States of America	Prov of CIP	61/788,307	Mar 15, 2013			LOCATION-BASED MOBILE SERVICES AND APPLICATIONS			Expired	
BYT-1437318732001	United States of America	Utility of CIP	14/297,254	Jun 5, 2014			METHOD AND SYSTEM FOR OPTICAL COMMUNICATION			Pending	
BYT-1437318732001	United States of America	Prov of CIP	61/831,380	Jun 5, 2013			METHOD AND SYSTEM FOR OPTICAL COMMUNICATION IN THE PRESENCE OF OPTICAL SCANNERS			Expired	

DOCKET NUMBER	COUNTRY NAME	MATTER TYPE	APPL. #	FILING DATE	PUB. #	PUB. DATE	TITLE	PATENT #	PATENT DATE	STATUS	UPCOMING DEADLINE
<u>BYT-145PR/7318741</u> 001	United States of America	Prov ORG	61/908,460	Nov 25, 2013			RF RADIO ENABLED POSITION DETECTION LIGHT			Expired	
<u>BYT-145PR2</u>	United States of America	Prov ORG	62/052,207	Sep 18, 2014			SYSTEM AND METHOD FOR COMMUNICATION WITH A MOBILE DEVICE VIA A POSITIONING SYSTEM INCLUDING RF COMMUNICATION DEVICES AND MODULATED BEACON LIGHT SOURCES			Pending	
<u>BYT-145</u>	United States of America	Utility NPREG	14/553,424	Nov 25, 2014			SYSTEM AND METHOD FOR COMMUNICATION WITH A MOBILE DEVICE VIA A POSITIONING SYSTEM INCLUDING RF COMMUNICATION DEVICES AND MODULATED BEACON LIGHT SOURCES			Pending	
<u>BYT-145PC</u>	PCT	Utility ORG	US14/67390	Nov 25, 2014			SELF-IDENTIFYING ONE-WAY AUTHENTICATION METHOD USING OPTICAL SIGNALS			Pending	National-Phase filing deadline is 05/25/2016