

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4917116

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:	1170 PEACHTREE STREET N.E.	
Internal Address:	SUITE 2400	
City:	ATLANTA	
State/Country:	GEORGIA	
Postal Code:	30309	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15951446
CORRESPONDENCE DATA		
Fax Number:	(610)407-0701	
<i>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.</i>		
Email:	jallen@ratnerprestia.com	
Correspondent Name:	RATNERPRESTIA	
Address Line 1:	1090 VERMONT AVVE NW	
Address Line 2:	SUITE 1200	
Address Line 4:	WASHINGTON, D.C. 20005	
ATTORNEY DOCKET NUMBER:	VLC-141US2	
NAME OF SUBMITTER:	KEITH E. GEORGE	
SIGNATURE:	/Keith E. George/	
DATE SIGNED:	04/16/2018	
Total Attachments: 15		
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DEED OF ASSIGNMENT WITH GOODWILL

THIS ASSIGNMENT is made as of the 15th day of April, 2015, between BYTELIGHT, INC., a corporation duly organized and existing under the laws of the State of Delaware, with its principal place of business at 374 Congress St., # S-306, Boston, Massachusetts 02210-1807 ("Assignor") and ABL IP HOLDING LLC, a limited liability company duly organized and existing under the laws of the State of Georgia, with its principal place of business at 1170 Peachtree Street, NE, Suite 2400, Atlanta, Georgia 30309 ("Assignee").

WHEREAS, Assignor is the owner of the trademarks listed in Schedule A attached hereto (the "Trademarks"); and

WHEREAS, Assignee wishes to acquire all of Assignor's rights in and to the Trademarks and the good will associated therewith;

NOW, THEREFORE, in consideration of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby assigns, transfers, and conveys to Assignee all rights, title, and interest in and to the Trademarks together with the good will of the business symbolized by the Trademarks, and with the right to recover damages and profits and all other remedies for past infringements thereof.

Signed, sealed, and delivered before me
this 15th day of April, 2015.

Notary Public

ASSIGNOR:

BYTELIGHT, INC.

By: Daniel Ryan

Daniel Ryan
Chief Executive Officer

Signed, sealed, and delivered before me
this _____ day of April, 2015.

Notary Public

ASSIGNEE:

ABL IP HOLDING LLC

By: _____

Richard K. Reece
Executive Vice President and
Chief Financial Officer

DEED OF ASSIGNMENT WITH GOODWILL

THIS ASSIGNMENT is made as of the 15th day of April, 2015, between **BYTELIGHT, INC.**, a corporation duly organized and existing under the laws of the State of Delaware, with its principal place of business at 374 Congress St., # S-306, Boston, Massachusetts 02210-1807 ("Assignor") and **ABL IP HOLDING LLC**, a limited liability company duly organized and existing under the laws of the State of Georgia, with its principal place of business at 1170 Peachtree Street, NE, Suite 2400, Atlanta, Georgia 30309 ("Assignee").

WHEREAS, Assignor is the owner of the trademarks listed in Schedule A attached hereto (the "Trademarks"); and

WHEREAS, Assignee wishes to acquire all of Assignor's rights in and to the Trademarks and the good will associated therewith;

NOW, THEREFORE, in consideration of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby assigns, transfers, and conveys to Assignee all rights, title, and interest in and to the Trademarks together with the good will of the business symbolized by the Trademarks, and with the right to recover damages and profits and all other remedies for past infringements thereof.

Signed, sealed, and delivered before me
this 15th day of April, 2015.

Notary Public

Signed, sealed, and delivered before me
this 15th day of April, 2015.



Notary Public: M. Lisa Larkins

My Commission Expires: December 2, 2016

ASSIGNOR:

BYTELIGHT, INC.

By: _____
Daniel Ryan
Chief Executive Officer

ASSIGNEE:

ABL IP HOLDING LLC

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

PATENT

REEL: 045552 FRAME: 0347

SCHEDULE A

Mark
BYTELIGHT

Filing Date
April 17, 2012

Reg. No.
85600075

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

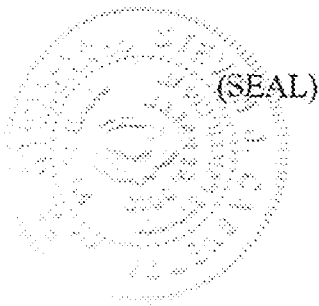
COUNTY OF SUFFOLK

Before me, the undersigned attesting officer duly authorized to administer oaths, a Notary Public, on this 15th 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



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

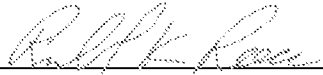
ASSIGNOR:

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

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

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
BYT-120CA/7318598001	Canada	Utility - NSPCT	2,842,826	Jul 25, 2012			SELF IDENTIFYING MODULATED LIGHT SOURCE			Pending	
BYT-120EP/7318598002	European Patent Office	Utility - NSPCT	12817835.7	Jul 25, 2012	2737779	Jun 4, 2014	SELF IDENTIFYING MODULATED LIGHT SOURCE			Pending	
BYT-120PC	PCT	Utility - ORG	US12/48164	Jul 25, 2012			SELF IDENTIFYING MODULATED LIGHT SOURCE			Expired	
BYT-120PR	United States America	Prov of ORG	61/567,484	Dec 6, 2011			SYSTEMS AND METHODS FOR LIGHT BASED LOCATION			Expired	
BYT-120PR2	United States America	Prov of ORG	61/511,589	Jul 26, 2011			SYSTEM USING OPTICAL ENERGY FOR WIRELESS DATA TRANSFER			Expired	
BYT-120TW/7318598003	Taiwan R.O.C.	Utility - ORG	101127069	Jul 26, 2012			SYSTEMS AND METHODS FOR LIGHT BASED LOCATION			Pending	
BYT-122/7318602001	United States America	Utility - ORG	13/369,144	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)
BYT-123/7318612001	United States America	Utility - ORG	13/369,147	Feb 8, 2012	2013-0141555	Jun 6, 2013	CONTENT DELIVERY BASED ON A LIGHT POSITIONING SYSTEM	8964016	2/24/15	Issued	

PATENT

REEL: 045552 FRAME: 0354

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 America	Utility CON	- 14/464,324	Aug 20, 2014			CONTENT DELIVERY BASED ON A LIGHT POSITIONING SYSTEM			Allowed	Issue fee due 05/04/2015
BYT- <u>123C2/7318613</u> 002	United States America	Utility CON	- 14/464,327	Aug 20, 2014			CONTENT DELIVERY BASED ON A LIGHT POSITIONING SYSTEM	8957951	2/17/15	Issued	
BYT- <u>123C3/7318613</u> 003	United States 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 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 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 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>125/7318633001</u>	United States America	Utility CON	- 14/490,207	Sep 18, 2014			SELF IDENTIFYING MODULATED LIGHT SOURCE			Pending	
BYT- <u>126/7318643001</u>	United States 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 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	

PATENT

REEL: 045552 FRAME: 0355

DOCKET NUMBER	COUNTRY NAME	MATTER TYPE	APPL.#	FILING DATE	PUB.#	PUB. DATE	TITLE	PATENT #	PATENT DATE	STATUS	UPCOMING DEADLINE
BYT- <u>128/7318663001</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	
BYT- <u>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	
BYT-130/ <u></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	
BYT-130PR/ <u></u>	United States of America	Prov ORG	61/635,413	Apr 19, 2012			DIGITAL PULSE RECOGNITION DEMODULATION TECHNIQUES FOR LIGHT BASED POSITIONING			Expired	
BYT-131/ <u></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 AND SYSTEM 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- 134C1/7318693 001	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- <u>134C2/7318693</u> 002	United States of America	Utility - 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			Published	
BYT-135/ <u> </u>	United States of America	Utility - 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	8334901	12/18/12	Issued	
BYT-136/ <u> </u>	United States of America	Utility - CIP	13/526,812	Jun 19, 2012			DEVICE FOR DIMMING A BEACON LIGHT SOURCE USED IN A LIGHT BASED POSITIONING SYSTEM	8432438	4/30/13	Issued	
BYT-137/ <u> </u>	United States of America	Utility - CIP	13/526,814	Jun 19, 2012			METHOD AND SYSTEM FOR PROCESSING VIDEO TO DETERMINE DIGITAL PULSE RECOGNITION TONES	8520065	8/27/13	Issued	
BYT- <u>139/7318704001</u>	United States of America	Utility - CIP	14/019,376	Sep 5, 2013	2014- 0045549	Feb 13, 2014	CONFIGURATION AND MANAGEMENT OF LIGHT POSITIONING SYSTEM USING DIGITAL PULSE RECOGNITION			Published	

PATENT

REEL: 045552 FRAME: 0358

DOCKET NUMBER	COUNTRY NAME	MATTER TYPE	APPL.#	FILING DATE	PUB.#	PUB. DATE	TITLE	PATENT #	PATENT DATE	STATUS	UPCOMING DEADLINE
BYT- 139PR/ 141/7318714001	United States of America	Prov ORG	- 61/697,098	Sep 5, 2012			CONFIGURATION AND MANAGEMENT OF LIGHT POSITIONING SYSTEM USING DIGITAL PULSE RECOGNITION			Expired	
BYT- 141/7318714001	United States of America	Utility CIP	- 14/058,678	Oct 21, 2013	2014- 0086590	Mar 27, 2014	SELF-IDENTIFYING ONE-WAY AUTHENTICATION METHOD USING OPTICAL SIGNALS			Published	
BYT- 141PC/7318716 001	PCT	Utility ORG	- US13/65923	Oct 21, 2013	WO 2014/063 150	Jul 3, 2014	SELF-IDENTIFYING ONE-WAY AUTHENTICATION METHOD USING OPTICAL SIGNALS			Published	
BYT-141PR/	United States of America	Prov ORG	- 61/715,950	Oct 19, 2012			SELF-IDENTIFYING ONE-WAY AUTHENTICATION METHOD USING OPTICAL SIGNALS			Expired	National-Phase filing deadline is 04/19/2015
BYT- 142/7318722001	United States of America	Utility ORG	- 14/210,832	Mar 14, 2014	2014- 0280316	Sep 18, 2014	LOCATION-BASED MOBILE SERVICES AND APPLICATIONS			Published	
BYT-142PR/	United States of America	Prov ORG	- 61/788,307	Mar 15, 2013			LOCATION-BASED MOBILE SERVICES AND APPLICATIONS			Expired	
BYT- 143/7318732001	United States of America	Utility NPREG	- 14/297,254	Jun 5, 2014			METHOD AND SYSTEM FOR OPTICAL COMMUNICATION			Pending	
BYT- 143PR/7318731 001	United States of America	Prov ORG	- 61/831,380	Jun 5, 2013			METHOD AND SYSTEM FOR OPTICAL COMMUNICATION IN THE PRESENCE OF OPTICAL SCANNERS			Expired	

PATENT

REEL: 045552 FRAME: 0359

DOCKET NUMBER	COUNTRY NAME	MATTER TYPE	APPL.#	FILING DATE	PUB.#	PUB. DATE	TITLE	PATENT #	PATENT DATE	STATUS	UPCOMING DEADLINE
BYT- <u>145PR/7318741</u> <u>001</u>	United States of America	Prov - ORG	61/908,460	Nov 25, 2013			RF RADIO ENABLED POSITION DETECTION LIGHT			Expired	
BYT-145PR2	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	
BYT-145	United States America	Utility of 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	
BYT-145PC	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