PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TIME DOMAIN CORPORATION	12/31/2010

RECEIVING PARTY DATA

Name:	TDC Acquisition Holdings, Inc.
Street Address:	4955 Corporate Drive, Suite 101
City:	Huntsville
State/Country:	ALABAMA
Postal Code:	35805

PROPERTY NUMBERS Total: 102

Property Type	Number
Patent Number:	5952956
Patent Number:	5677927
Patent Number:	6847675
Patent Number:	6670909
Patent Number:	7075476
Patent Number:	6778603
Patent Number:	6762712
Patent Number:	6963727
Patent Number:	6577691
Patent Number:	6760387
Patent Number:	6763282
Patent Number:	6879878
Patent Number:	7069111
Patent Number:	6661342
Patent Number:	6111536

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Patent Number:	6295019
Patent Number:	6674396
Patent Number:	6922166
Patent Number:	6512488
Patent Number:	6959031
Patent Number:	7099367
Patent Number:	6667724
Patent Number:	6922177
Patent Number:	6552677
Patent Number:	7230980
Patent Number:	6774859
Patent Number:	6177903
Patent Number:	6400307
Patent Number:	6573857
Patent Number:	6710736
Patent Number:	7358888
Patent Number:	7592944
Patent Number:	7417581
Patent Number:	7436876
Patent Number:	6421389
Patent Number:	7046187
Patent Number:	7256727
Patent Number:	7239277
Patent Number:	7602339
Patent Number:	7132975
Patent Number:	7333047
Patent Number:	7649925
Patent Number:	6512455
Patent Number:	6489893
Patent Number:	6492906
Patent Number:	6501393
Patent Number:	6504483
Patent Number:	6466125
Patent Number:	6469628
Patent Number:	6900732

Patent Number:	6989751
Patent Number:	7405658
Patent Number:	7701347
Patent Number:	6462701
Patent Number:	6300903
Patent Number:	7397379
Patent Number:	7474219
Patent Number:	7545281
Patent Number:	7426233
Patent Number:	7418029
Patent Number:	6906625
Patent Number:	7170408
Patent Number:	6700538
Patent Number:	7151490
Patent Number:	6748040
Patent Number:	6538615
Patent Number:	7711026
Patent Number:	6671310
Patent Number:	6788730
Patent Number:	6959032
Patent Number:	7145954
Patent Number:	6636566
Patent Number:	6636567
Patent Number:	6133876
Patent Number:	6297773
Patent Number:	6611234
Patent Number:	6774846
Patent Number:	7372403
Patent Number:	7710320
Patent Number:	7495613
Patent Number:	6483461
Patent Number:	6677796
Patent Number:	6845253
Patent Number:	6750757
Patent Number:	7015793

Patent Number:	6614384
Patent Number:	6822604
Patent Number:	7129886
Patent Number:	7541968
Patent Number:	6937639
Patent Number:	6717992
Patent Number:	6917284
Patent Number:	7148791
Patent Number:	7873099
Application Number:	10784747
Application Number:	11889519
Application Number:	11907510
Application Number:	11907509
Application Number:	11980373
Application Number:	12149785
Application Number:	12249923
Application Number:	12235247

CORRESPONDENCE DATA

Fax Number: (305)961-5812

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

Phone: 3055790812

Email: mrv@gtlaw.com

Correspondent Name: Greenberg Traurig Attn: Manuel Valcarcel

Address Line 1: 333 Avenue of the Americas, Suite 4400

Address Line 4: Miami, FLORIDA 33131

ATTORNEY DOCKET NUMBER:	110560.010800
NAME OF SUBMITTER:	Manuel Valcarcel, Esq.

Total Attachments: 12

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GENERAL INTELLECTUAL PROPERTY ASSIGNMENT

THIS GENERAL INTELLECTUAL PROPERTY ASSIGNMENT (this "Assignment") is delivered effective as of this 31st day of December, 2010 ("Effective Date") by TIME DOMAIN CORPORATION, a Delaware corporation ("Assignor"), having an address of 4955 Corporate Drive, Suite 101, Huntsville, Alabama 35805 to and in favor of TDC Acquisition Holdings, Inc., a Delaware corporation ("Assignee"), having an address of 4955 Corporate Drive, Suite 101, Huntsville, Alabama 35805.

WHEREAS, Assignor wishes to assign to Assignee, and Assignee wishes to acquire from Assignor, all of the Assignor's rights, title and interest in any jurisdiction throughout the world in and to all of the Assignor's intellectual property, including, without limitation, any and all of the following intellectual property: (a) inventions and invention rights as well as any and all patents, patent applications and patent disclosures, together with all reissues, continuations, continuations-in-part, divisonals, revisions, extensions and reexaminations thereof; (b) trademarks, service marks, trade dress, logos, slogans, trade names and domain names, together with all common law rights, the goodwill associated therewith and of the business symbolized thereby, and any and all applications, registrations and renewals for same and the benefit of Assignor's prior use of same; (c) copyrights and copyrightable works, and all applications and registrations for same; (d) trade secrets and confidential business information (including proprietary methods, algorithms, source code, research and development, know-how, techniques, designs and specifications); (e) copies and tangible embodiments of any of the foregoing in whatever form or medium in Assignor's possession or control; and (f) all other intellectual property owned by Assignor and any licenses granted to the Assignor with respect to any intellectual property (all of the foregoing, including the items further specified in Schedule A attached hereto, hereinafter collectively referred to as the "Assigned Intellectual Property").

NOW, THEREFORE, for $10.00 (US) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby sells, assigns, transfers and sets over to Assignee Assignor's entire right, title and interest in and to the Assigned Intellectual Property for the United States and for all foreign countries, including, without limitation, any registrations and applications therefor, any renewals and extensions of the registrations, and all other corresponding rights that are or may be secured under the laws of the United States or any foreign country, now or hereafter in effect, for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns or other legal representatives, at least as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made, together with all income, royalties or payments due or payable as of the Effective Date or thereafter, including, without limitation, all claims for damages by reason of past, present or future infringement or other unauthorized use of the Assigned Intellectual Property, with the right to sue for and collect the same for Assignee's own use and enjoyment and for the use and enjoyment of its successors, assigns or other legal representatives.

Assignor hereby requests the Commissioner of Patents and Trademarks, the Register of Copyrights and the corresponding entity or agency in any applicable foreign country, to record, as applicable, Assignee as the Assignee and owner of the Assigned Intellectual Property.

Assignor represents and warrants that: (i) it is the sole and exclusive owner of all rights, title and interests in and to the Assigned Intellectual Property (including the corresponding rights set forth in the above), free and clear of any liens, security interests, licenses, options or other encumbrances of any kind; (ii) it has the full right and authority to execute this Assignment and to assign to Assignee the rights assigned herein); and (iii) it has not executed, and will not execute, any agreement or other instrument in conflict herewith. Assignor shall indemnify, defend and hold Assignee harmless from and against any liability, claim or other obligation (including but not limited to any attorneys fees, court costs or other expenses) incurred by or made against Assignee resulting from the breach of any of the foregoing representations and warranties.

Assignor shall take all further reasonable actions, and provide and/or cause to be provided to Assignee, Assignee's successors, assigns or other legal representatives, all such reasonable cooperation and assistance (including, without limitation, the execution and delivery of any and all affidavits, declarations, oaths, samples, exhibits, specimens, assignments, powers of attorney or other documentation), requested by Assignee to more fully and effectuate the purposes of this Assignment and evidence and perfect Assignee's exclusive ownership of the Assigned Intellectual Property, including, without limitation, with respect to the following: (1) the preparation and prosecution of any application for registration, or any application for renewal of a registration, relating to any of the rights assigned herein; (2) the prosecution or defense of any interference, opposition, infringement or other proceedings that may arise in connection with any of the rights assigned herein, including, without limitation, causing its employees and independent contractors and those of its affiliated entities to testify as to any facts relating to the Assigned Intellectual Property and this Assignment; (3) obtaining by Assignee any additional protection relating to rights assigned herein that Assignee reasonably may deem appropriate that may be secured under the laws now or hereafter in effect in the United States or any foreign country; and (4) in the implementation or perfection of this Assignment in all applicable jurisdictions throughout the world. Additionally, Assignor hereby constitutes and appoints Assignee as Assignee's true and lawful attorney in fact, with full power of substitution, in Assignor's name and stead, on behalf of Assignor and for the benefit of Assignee and its successors and assigns, to execute and deliver for and on behalf of Assignor such other and further powers of attorney, assignments, documents and instruments as may be required or as Assignee may deem necessary to effectuate this Assignment and the above-described additional acts, including the power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as Assignor might or could do, hereby ratifying and confirming all that either such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. Assignor acknowledges and agrees that said power of attorney is coupled with an interest and is and shall be irrevocable. Assignor further acknowledges that Assignee, in serving in such capacity at the request of Assignor, is not assuming any of Assignor's obligations.

[*Signature Page to Follow*]

IN WITNESS WHEREOF, Assignor has caused this Assignment to be executed by its duly authorized representative as of the Effective Date.

ASSIGNOR:

TIME DOMAIN CORPORATION, a Delaware corporation

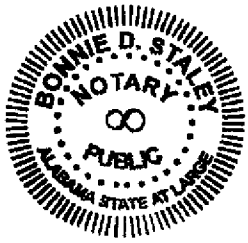
By: _____
Name: Tony Buszka
Title: Treasurer

STATE OF ALABAMA)
) SS:
COUNTY OF MADISON)

The foregoing Assignment was acknowledged before me this 14 day of March, 2011 by Tony Buszka, the Treasurer of TIME DOMAIN CORPORATION, a Delaware corporation. He is personally known to me or has produced an Alabama drivers' license as identification.

Notary: Bonnie D Staley
Print Name: Bonnie D Staley

[NOTARIAL SEAL]
Notary Public, State of Alabama
My commission expires: 08/25/2014



ASSIGNEE:

TDC Acquisition Holdings, Inc., a Delaware corporation

By: Rachel Reinhardt
Name: Rachel Reinhardt
Title: Chief Executive Officer

STATE OF ALABAMA)
) SS:
COUNTY OF MADISON)

The foregoing Assignment was acknowledged before me this 14 day of March, 2011 by Rachel Reinhardt, the Chief Executive Officer of TDC Acquisition Holdings, Inc., a Delaware corporation. She is personally known to me or has produced an Alabama drivers' license as identification.

Notary: Bonnie D. Staley
Print Name: Bonnie D. Staley

[NOTARIAL SEAL]
Notary Public, State of Alabama
My commission expires: 08/25/2014

BONNIE D. STALEY NOTARY PUBLIC ALABAMA STATE AT LARGE

SCHEDULE A
ASSIGNED INTELLECTUAL PROPERTY

A. Marks

Mark	Registration No.
PULSON	3,147,143
PLUS	3,558,515
PRECISE LOCATION FOR A WORLD IN MOTION.	3,609,485
RADARVISION	2,441,884*
TIME DOMAIN	2,679,913
LOGO	2,624,054
TIME DOMAIN	2,300,394
PULSON	2,373,081

*OWNER LISTED AS TIME DOMAIN CORPORATION, an Alabama (not Delaware) corporation.

B. Domain Names

SEE ATTACHED LIST

C. Copyrights/Works of Authorship

SEE ATTACHED LIST

D. Patents/Patent Applications

SEE ATTACHED LIST

E. Know-How/Trade Secrets/Inventions

All of Assignor's know-how, trade secrets and/or inventions relating to the foregoing and any other know-how, trade secrets, confidential information, inventions and proprietary technology relating to Assignor's products, services, and business owned by Assignor or licensee interests held by Assignor.

Patent	Issued	Filed	Title
US5952956	9/14/1999	06/07/1995	Time domain radio transmission system
US5677927	10/14/1997	09/20/1994	Ultrawide-band communication system and method
US6847675	1/25/2005	7/17/2002	Ultrawide-band communication system and method
US6670909	12/30/2003	1/16/2001	Ultra-wideband smart sensor interface network and method
US7075476	7/11/2006	12/29/2003	Ultra-wideband smart sensor interface network and method
US6778603	8/17/2004	11/8/2000	Method and apparatus for generating a pulse train with specifiable spectral response characteristics
US6762712	7/13/2004	7/26/2001	First-arriving-pulse detection apparatus and associated methods
US6963727	11/8/2005	7/26/2001	Direct-path-signal detection apparatus and associated methods
US6577691	6/10/2003	06/20/2001	Precision timing generator apparatus and associated methods
US6760387	7/6/2004	9/21/2001	Impulse radio receiver and method for finding angular offset of an impulse radio transmitter
US6763282	7/13/2004	6/4/2001	Method and system for controlling a robot
US6879878	4/12/2005	4/17/2004	Method and system for controlling a robot
US7069111	6/27/2006	4/1/2005	Method and system for controlling a robot
US6661342	12/9/2003	6/4/2001	System and method for using impulse radio technology to track the movement of athletes and to enable secure communications between the athletes and their
US6111536	8/29/2000	05/26/1998	System and method for distance measurement by inphase and quadrature signals in a radio system
US6295019	9/25/2001	01/14/2000	System and method for distance measurement by inphase and quadrature signals in a radio system
US6674396	1/6/2004	9/21/2001	System and method for distance measurement by inphase and quadrature signals in a radio system
US6922166	7/26/2005	1/5/2004	System and method for distance measurement by inphase and quadrature signals in a radio system

US6512488	1/28/2003	7/24/2001	Apparatus for establishing signal coupling between a signal line and an antenna structure
US6959031	10/25/2005	6/28/2001	Method and system for fast acquisition of pulsed signals
US7099367	8/29/2006	6/14/2002	Method and apparatus for converting RF signals to baseband
US6667724	12/23/2003	11/30/2001	Impulse radar antenna array and method
US6922177	7/26/2005	2/26/2002	An impulse radar antenna array and method
US6552677	4/22/2003	2/26/2002	Method of envelope detection and image generation
US7230980	6/12/2007	9/17/2002	Method and apparatus for impulse radio transceiver calibration
US6774859	8/10/2004	6/1/2002	Ultra wideband antenna having frequency selectivity
US6177903	1/23/2001	06/14/1999	System and method for intrusion detection using a time domain radar array
US6400307	6/4/2002	01/23/2001	System and method for intrusion detection using a time domain radar array
US6573857	6/3/2003	04/25/2002	System and method for intrusion detection using a time domain radar array
US6710736	3/23/2004	6/2/2003	System and method for intrusion detection using a time domain radar array
US7358888	4/15/2008	3/23/2004	System and method for intrusion detection using a time domain radar array
US7592944	9/22/2009	10/31/2007	System and method for intrusion detection using a T.ime Domain radar array
US7417581	8/26/2008	10/31/2007	System and Method for Intrusion Detection Using a T.ime Domain Radar Array
US7436876	10/14/2008	9/30/2004	System and method for fast acquisition of ultra wideband signals
US6421389	7/16/2002	07/16/1999	Baseband signal converter for a wideband impulse radio receiver
US7046187	5/16/2006	11/17/2004	System and method for active protection of a resource
US7256727	8/14/2007	1/7/2005	A system and method for radiating RF waveforms using discontinuities associated with a utility transmission line

US7239277	7/2/2007	4/12/2005	Method and system for extensible position location
US7602339	10/13/2009	7/3/2007	Method and System for Extensible Position Location
US7132975	11/7/2006	5/28/2004	Apparatus and Method for Detecting Moving Objects
US7333047	2/19/2008	10/22/2005	System and method for spatially diverse radar signal processing
US7649925	1/19/2010	5/28/2005	T.ime transfer utilizing ultra wideband signals
US6512455	1/28/2003	9/27/1999	System and method for monitoring assets, objects, people and animals utilizing impulse radio
US6489893	12/3/2002	11/10/2000	System and method for tracking and monitoring prisoners using impulse radio technology
US6492906	12/10/2002	11/10/2000	System and method using impulse radio technology to track and monitor people under house arrest
US6501393	12/31/2002	11/10/2000	System and method for using impulse radio technology to track and monitor vehicles
US6504483	1/7/2003	11/10/2000	System and method for using impulse radio technology to track and monitor animals
US6466125	10/15/1997	11/10/2000	System and method using impulse radio technology to track and monitor people needing health care
US6469628	10/22/2002	11/10/2000	System and method for using impulse radio technology in the farming field
US6900732	5/31/2005	11/1/2002	System and method for monitoring assets, objects, people, and animals utilizing impulse radio
US6989751	1/24/2006	10/8/2004	System and method for monitoring assets, objects, people and animals utilizing impulse radio
US7405658	7/29/2008	11/17/2005	System and method for monitoring assets, objects, people and animals utilizing impulse radio
US7701347	4/20/2010	10/31/2007	System and method for monitoring assets, objects, people and animals utilizing impulse radio
US6462701	10/8/2002	11/21/2000	System and method for controlling air bag deployment systems
US6300903	1-/9/01	12/08/1999	System and method for person or object position location utilizing impulse radio
US7397379	7/8/2008	11/18/2002	System and Method for Person or Object Position Location Utilization Impulse Radio

US7474219	1/6/2009	10/12/2007	System and method for person or object position location utilizing impulse radio
US7545281	6/9/2009	10/12/2007	System and method for person or object position location utilizing impulse radio
US7426233	9/16/2008	8/2/2005	Method and system for fast acquisition of ultra-wideband signals
US7418029	8/26/2008	10/31/2007	Method and system for fast acquisition of ultra-wideband signals
US6906625	6/14/2005	2/24/2000	System and method for information assimilation and functionality control based on positioning information obtained by impulse radio techniques
US7170408	1/30/2007	6/14/2005	System and method for information assimilation and functionality control based on positioning information obtained by impulse radio techniques
US6700538	3/2/2004	3/29/2000	System and method for estimating separation distance between impulse radios using impulse signal amplitude
US7151490	12/19/2006	2/23/2004	System and method for estimating separation distance between impulse radios using impulse signal amplitude
US6748040	6/8/2004	11/9/2000	Apparatus and method for effecting synchrony in a wireless communication system
US6538615	3/25/2003	8/30/2000	Semi-coaxial horn antenna
US7711026	5/4/2010	9/19/2007	Method and apparatus for applying codes having pre-defined properties
US6671310	12/30/2003	6/12/2000	Method and apparatus for positioning pulses over time by applying time-hopping codes having pre-defined characteristics
US6788730	9/7/2004	8/15/2000	Method and apparatus for applying codes having pre-defined properties
US6959032	10/25/2005	8/15/2000	Method and apparatus for positioning pulses in time
US7145954	12/5/2006	8/15/2000	A Method and Apparatus for Mapping Pulses to a Non-Fixed Layout
US6636566	10/21/2003	6/12/2000	Method and apparatus for specifying pulse characteristics using a code that satisfies predefined criteria
US6636567	10/21/2003	6/12/2000	Method of specifying non-allowable pulse characteristics
US6133876	10/17/2000	03/23/1998	System and method for position determination by impulse radio
US6297773	10/2/201	04/05/2000	System and method for position determination by impulse radio

US6611234	8/26/2003	9/18/2001	System and method for position determination by impulse radio using round trip time-of-flight
US6774846	8/10/2004	5/20/2003	System and method for position determination by impulse radio
US7372403	5/13/2008	7/29/2004	System and method for position determination by impulse radio
US7710320	5/4/2010	10/31/2007	System and method for position determination by impulse radio
US7495613	2/24/2009	10/31/2007	System and Method for Position Determination by Impulse Radio
US6483461	11/19/2002	8/24/2000	Apparatus and method for locating objects in a three-dimensional space
US6677796	1/13/2004	9/20/2001	Method and apparatus for implementing precision time delays
US6845253	1/18/2005	9/27/2000	Electromagnetic Antenna Apparatus
US6750757	6/15/2004	10/23/2000	Apparatus and method for managing luggage handling
US7015793	3/21/2006	6/3/2004	Apparatus and method for managing luggage handling
US6614384	9/2/2003	9/14/2001	System and method for detecting an intruder using impulse radio technology
US6822604	11/23/2004	8/1/2003	System and method for detecting an intruder using impulse radio technology
US7129886	10/31/2006	10/22/2004	System and method for detecting an intruder using impulse radio technology
US7541968	6/2/2009	10/29/2006	System and method for detecting an intruder using impulse radio technology
US6937639	8/30/2005	6/13/2001	System and method for positioning pulses in time using a code that provides spectral shaping
US6717992	4/6/2004	6/13/2001	Method and apparatus for receiving a plurality of time spaced signals
US6917284	7/12/2005	1/8/2004	Railroad collision avoidance system and method for preventing train accidents
US7148791	12/12/2006	7/11/2005	Wireless danger proximity warning system and method
US7873099	1/18/2011	10/31/2007	Time Transfer Using Ultra Wideband Signals

App. No.	Filed	Priority Date	Title	Status
10/784,747	2/24/2004	9/20/1994	An Ultrawide-Band Communication System and Method	Published 20040233973
11/889,519	8/14/2007		A system and method for radiating RF waveforms using discontinuities associated with a utility transmission line	Pending
11/907,510	10/12/2007	3/23/1998	System and Method for Person or Object Position Location Utilizing Impulse Radio	Published 20080100496
11/907,509	10/12/2007	3/23/1998	System and Method for Person or Object Position Location Utilizing Impulse Radio	Published 20080100495
11/980,373	10/31/2007	3/23/1998	System and Method for Person or Object Position Location Utilizing Impulse Radio	Published 20080101329
12/149,785	5/8/2008		Enhanced system and method for detecting the leading edge of a waveform	Pending
12/249,923	10/11/2008	11/15/2002	System and Method for Fast Acquisition of Ultra Wideband Signals	Published 20090310649
12/235247	9/22/2008	10/17/2003	Method and Apparatus for Generating RF Waveforms Having Aaggregate Energy with Desired Spectral Characteristics	Pending

[redacted]

File No.	App. No. Patent No.	Filed Issued	Priority Date	Title TDC Reference
P.2/AU	56739-96 712,518	4/26/1996 2/24/2000	4/27/1995	Full Duplex Ultrawide-Band Communication System and Method
P.2/AU/DIV	15293/00 761539 DIVISIONAL	4/26/1996 9/25/2003	4/27/1995	Full Duplex Ultrawide-Band Communication System and Method
P.2/SG	9705123-9 46812	4/26/1996 3/21/2002	4/27/1995	Full Duplex Ultrawide-Band Communication System and Method
P.4/DE	96921436 69610091.6	6/7/1996 8/30/2000	9/20/1994	Fast Locking Mechanism for Channelized Ultrawide-Band
P.4/GB	96921436 830755	6/7/1996 8/30/2000	9/20/1994	Fast Locking Mechanism for Channelized Ultrawide-Band
P.2/FR	96913919.5 823152	11/24/1997 7/28/2004	4/27/1995	Full Duplex Ultrawide-Band Communication System and Method
P.2/GB	96913919.5 823152	11/24/1997 7/28/2004	4/27/1995	Full Duplex Ultrawide-Band Communication System and Method
T.7/AU	33601/99 762773	3/23/1999 10/23/2003	3/23/1998	System and Method for Position Determination By Impulse Radio
T.7/CA	2,325,381 2,325,381	3/23/1999 12/5/2006	3/23/1998	System and Method for Position Determination By Impulse Radio
T.7/GB	99,914,974 1,071,967	3/23/1999 6/15/2005	3/23/1998	System and Method for Position Determination By Impulse Radio