

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3994551

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARC A. MORRIS	04/16/2014
KARL EDMINSTER	04/15/2014
ANDREW DEMEDEIROS	04/15/2014
STEPHEN W. BARTHOLOMEW	04/16/2014
RECEIVING PARTY DATA	
Name:	ENSIGN-BICKFORD AEROSPACE & DEFENSE COMPANY
Street Address:	640 HOPMEADOW STREET
City:	SIMSBURY
State/Country:	CONNECTICUT
Postal Code:	06070-0429
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14197935
CORRESPONDENCE DATA	
Fax Number:	(860)286-0115
<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>	
Phone:	8602862929
Email:	usptopatentmail@cantorcolburn.com
Correspondent Name:	CANTOR COLBURN LLP
Address Line 1:	20 CHURCH STREET
Address Line 2:	22ND FLOOR
Address Line 4:	HARTFORD, CONNECTICUT 06103
ATTORNEY DOCKET NUMBER:	EBA0195US2
NAME OF SUBMITTER:	DAVE S. CHRISTENSEN
SIGNATURE:	/Dave S. Christensen/
DATE SIGNED:	08/05/2016
Total Attachments: 10	
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ASSIGNMENT

WHEREAS, We, Marc A. Morris, of Clarksville TN; Karl Edminster of Fairhaven, MA; Andrew DeMedeiros of Fall River, MA; and Stephen W. Bartholomew of Simsbury, CT (below referred to as "ASSIGNORS") are the inventors of an invention entitled **SIGNAL ENCRYPTED DIGITAL DETONATOR SYSTEM**, and which is described in **U.S. Non-Provisional Application Serial No. 14/197935 , filed March 5, 2014;** and

WHEREAS, Ensign-Bickford Aerospace & Defense Company, a corporation of the State of Connecticut with a place of business at 640 Hopmeadow Street, Simsbury, Connecticut 06070-0429 (below referred to as "ASSIGNEE"), is desirous of obtaining the entire right, title and interest in and to the aforesaid invention and the aforesaid patent applications describing it;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt, adequacy and sufficiency of which are acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest in and to the aforesaid invention, and the aforesaid U.S. Provisional Patent Application, and any and all divisional, continuation, continuation-in-part, re-examination, reissue and comparable applications based on the aforesaid application, and any and all Letters Patent or comparable rights issuing thereon in the United States and in all other countries, together with all rights of priority based on the filing of any of the aforesaid applications arising under the International Convention for the Protection of Industrial Property and any and all other international agreements to which the United States of America adheres, and we hereby authorize and request the U.S. Commissioner of Patents and officials of any international organization and any country or countries foreign to the United States whose duty it is to issue patents or comparable rights on patent applications as aforesaid, to issue all Letters Patent or comparable rights for said invention issuing on any application as aforesaid to ASSIGNEE or to the successors, assigns or legal representatives, if any, of ASSIGNEE.

ASSIGNOR further agrees, upon request of ASSIGNEE and without further remuneration, to execute any and all lawful papers and make all rightful declarations and oaths as needed for the filing and prosecution of the aforesaid U.S. and other patent applications and granting of Letters Patent or comparable rights thereon, and further to supply to ASSIGNEE

all facts and evidence known to him relating to said invention and the history and development thereof, to testify in all interferences, suits, and other legal proceedings, and generally to do everything rightful which ASSIGNEE shall consider desirable for aiding in securing, maintaining, and enforcing proper patent protection for said invention and for the perfecting of title thereto in ASSIGNEE.

ASSIGNOR further covenants that they have the lawful right to assign the interest in said invention in the manner and form as herein expressed and that the interests herein conveyed are free from prior assignment, grant, mortgage, license or other encumbrance whasoever.

This assignment is executed by the ASSIGNOR on the date indicated below opposite their respective signatures.

April 16, 2014
Date


Name: **MARC A. MORRIS**

State of CT)
)ss.:
County of Hartford)

On this 16th day of April, 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared **MARC A. MORRIS**, known or satisfactorily proven to me to be the person of whose name is subscribed to this instrument, who acknowledged that he executed the same for the purposes therein contained.


Notary Public
My Commission Expires:

RENA M PELLETIER
NOTARY PUBLIC
CONNECTICUT
MY COMMISSION EXPIRES NOV. 30, 2015

State of _____)
) ss.:
 County of _____)

On this ____ day of _____, 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared **KARL EDMINSTER** known or satisfactorily proven to me to be the person of whose name is subscribed to this instrument, who acknowledged that he executed the same for the purposes therein contained.

Notary Public
My Commission Expires:

Date _____, 2014

Name: **ANDREW DEMEDEIROS**

State of _____)
 _____)ss.:
 County of _____)

On this ____ day of _____, 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared **ANDREW DEMEDEIROS**, known or satisfactorily proven to me to be the person of whose name is subscribed to this instrument, who acknowledged that he executed the same for the purposes therein contained.

Notary Public
My Commission Expires:

April 16, 2014
Date

St Bar
Name: **STEPHEN W. BARTHOLOMEW**

State of CT)
)ss.:
County of Hartford)

On this 16 day of April, 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared **STEPHEN W. BARTHOLOMEW**, known or satisfactorily proven to me to be the person of whose name is subscribed to this instrument, who acknowledged that he executed the same for the purposes therein contained.

Rena M Pelletier
Notary Public
My Commission Expires:

RENA M PELLETIER
NOTARY PUBLIC
CONNECTICUT
COMMISSION EXPIRES NOV. 30, 2018

ASSIGNMENT

WHEREAS, We, Marc A. Morris, of Clarksville TN; Karl Edminster of Fairhaven, MA; Andrew DeMedeiros of Fall River, MA; and Stephen W. Bartholomew of Simsbury, CT (below referred to as "ASSIGNORS") are the inventors of an invention entitled SIGNAL ENCRYPTED DIGITAL DETONATOR SYSTEM, and which is described in U.S. Non-Provisional Application Serial No. 14/197935 , filed March 5, 2014; and

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NOW, THEREFORE, in exchange for good and valuable consideration, the receipt, adequacy and sufficiency of which are acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest in and to the aforesaid invention, and the aforesaid U.S. Provisional Patent Application, and any and all divisional, continuation, continuation-in-part, re-examination, reissue and comparable applications based on the aforesaid application, and any and all Letters Patent or comparable rights issuing thereon in the United States and in all other countries, together with all rights of priority based on the filing of any of the aforesaid applications arising under the International Convention for the Protection of Industrial Property and any and all other international agreements to which the United States of America adheres, and we hereby authorize and request the U.S. Commissioner of Patents and officials of any international organization and any country or countries foreign to the United States whose duty it is to issue patents or comparable rights on patent applications as aforesaid, to issue all Letters Patent or comparable rights for said invention issuing on any application as aforesaid to ASSIGNEE or to the successors, assigns or legal representatives, if any, of ASSIGNEE.

ASSIGNOR further agrees, upon request of ASSIGNEE and without further remuneration, to execute any and all lawful papers and make all rightful declarations and oaths as needed for the filing and prosecution of the aforesaid U.S. and other patent applications and granting of Letters Patent or comparable rights thereon, and further to supply to ASSIGNEE

all facts and evidence known to him relating to said invention and the history and development thereof, to testify in all interferences, suits, and other legal proceedings, and generally to do everything rightful which ASSIGNEE shall consider desirable for aiding in securing, maintaining, and enforcing proper patent protection for said invention and for the perfecting of title thereto in ASSIGNEE.

ASSIGNOR further covenants that they have the lawful right to assign the interest in said invention in the manner and form as herein expressed and that the interests herein conveyed are free from prior assignment, grant, mortgage, license or other encumbrance whasoever.

This assignment is executed by the ASSIGNOR on the date indicated below opposite their respective signatures.

Date , 2014

Date

Name: **MARC A. MORRIS**

State of)

) ss:

County of)

On this day of , 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared **MARC A. MORRIS**, known or satisfactorily proven to me to be the person of whose name is subscribed to this instrument, who acknowledged that he executed the same for the purposes therein contained.

Notary Public

My Commission Expires:

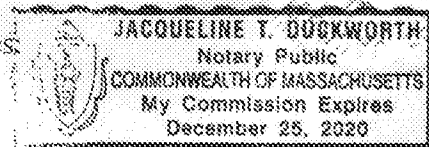
APRIL 15, 2014
Date

Karl Edminster
Name **KARL EDMINSTER**

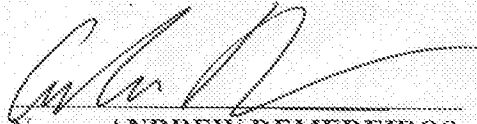
State of _____)
)ss.:
County of _____)

On this 15 day of April, 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared **KARL EDMINSTER** known or satisfactorily proven to me to be the person of whose name is subscribed to this instrument, who acknowledged that he executed the same for the purposes therein contained.

Jacqueline T. Duckworth
Notary Public
My Commission Expires:





April 15, 2014
Date


Name: **ANDREW DEMEIDEIROS**

State of)
)ss.:
County of)

On this 15 day of April, 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared **ANDREW DEMEIDEIROS**, known or satisfactorily proven to me to be the person of whose name is subscribed to this instrument, who acknowledged that he executed the same for the purposes therein contained.


Notary Public
My Commission Expires
 **JACQUELINE T. DUCKWORTH**
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
December 28, 2020

Date _____, 2014

Name: STEPHEN W. BARTHOLOMEW

State of _____)
 _____) ss.:
 County of _____)

On this ____ day of _____, 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared **STEPHEN W. BARTHOLOMEW**, known or satisfactorily proven to me to be the person of whose name is subscribed to this instrument, who acknowledged that he executed the same for the purposes therein contained.

Notary Public
My Commission Expires: