

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Andrew B. Facciano	02/01/2011
James A. Ebel	02/02/2011
Michael Alkema	01/27/2011
Robert D. Travis	01/27/2011
Mike J. Saxton	02/01/2011
RECEIVING PARTY DATA	
Name:	Raytheon Company
Street Address:	870 Winter Street
City:	Waltham
State/Country:	MASSACHUSETTS
Postal Code:	02451-1449
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13020276
CORRESPONDENCE DATA	
Fax Number:	(612)339-3061
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	612-373-6900
Email:	rsaunders@slwip.com
Correspondent Name:	Schwegman, Lundberg & Woessner, P.A.
Address Line 1:	P.O. Box 2938
Address Line 4:	Minneapolis, MINNESOTA 55416
ATTORNEY DOCKET NUMBER:	10-1132US (1547.124US1)
NAME OF SUBMITTER:	Ryan B. Saunders

CH \$40.00 13020276

Total Attachments: 8

source=1547124us1Assignment#page1.tif

source=1547124us1Assignment#page2.tif

source=1547124us1Assignment#page3.tif

source=1547124us1Assignment#page4.tif

source=1547124us1Assignment#page5.tif

source=1547124us1Assignment#page6.tif

source=1547124us1Assignment#page7.tif

source=1547124us1Assignment#page8.tif

RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 10-1132US (1547.124US1)

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Andrew B. Facciano, James A. Ebel, Michael Alkema,
Robert D. Travis, Mike J. Saxton

Additional name(s) of conveying party(ies) attached?

Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: February 1, 2011, February 2, 2011,
January 27, 2011, January 27, 2011, February 1, 2011

2. Name and address of receiving party(ies):

Name: Raytheon Company

Street Address: 870 Winter Street

City: Waltham State: MA Zip: 02451-1449
Country: United States of America

Additional name(s) & address(es) attached? Yes
 No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 13/020,276, filed February 3, 2011

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Andrew R. Peret

Address:

Schwegman, Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402--0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

Enclosed

Authorized to be charged to deposit account
19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Andrew R. Peret/Reg. No. 41,246

Name of Person Signing

Andrew Peret

Signature

February 10, 2011

Date

Total number of pages including cover sheet: 8

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
REEL: 025790 FRAME: 0206

ASSIGNMENT

WHEREAS, We, Andrew B. Facciano, residing at 11438 North Silver Pheasant Loop, Tucson, AZ 85737, and James A. Ebel, residing at 16980 South Orchid Flower Trail, Vail, AZ 85641-2700, and Michael Alkema, residing at 17070 S Kolb Rd., Sahuarita, AZ 85629, and Robert D. Travis, residing at 3461 N. Via San Juanito, Tucson, AZ 85749, and Mike J. Saxton, residing at 2342 E. Edison Street, Tucson, AZ 85719, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent entitled PROJECTILE AND METHOD THAT INCLUDE SPEED ADJUSTING GUIDANCE AND PROPULSION SYSTEMS;

WHEREAS, We hereby authorize and request the attorneys, representing Raytheon Company on this application, at Schwegman, Lundberg & Woessner, P.A., located at 121 South Eighth Street, Suite 1600, Minneapolis, MN 55402, to insert here in parentheses (Ser. No. 13/020,276; Filing Date: February 3, 2011) the filing date and application number of said application when known.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Raytheon Company (the "Assignee"), a corporation of the State of Delaware, having a place of business at 870 Winter Street, Waltham, MA 02451-1449, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 85851 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

Additional Application Information

U.S. Provisional Application Serial No. 61/382,332, filed on September 13, 2010.

ASSIGNMENT

Client Ref No. 16-1132US

Assignors: Andrew B. Facciano et al.

Title: PROJECTILE AND METHOD THAT INCLUDE SPEED ADJUSTING GUIDANCE AND PROPULSION SYSTEMS

Page 2 of 7

Docket No. 1547.124US1

No International or foreign claim for priority is being made at this time.

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

ASSIGNMENT

Client Ref. No. 10-1132US

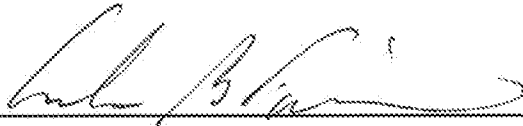
Assignors: Andrew B. Facciano et al.

Title: PROJECTILE AND METHOD THAT INCLUDE SPEED ADJUSTING GUIDANCE AND PROPULSION SYSTEMS

Page 3 of 7

Docket No: 1547.124131

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1st day of FEBRUARY, 20 11.



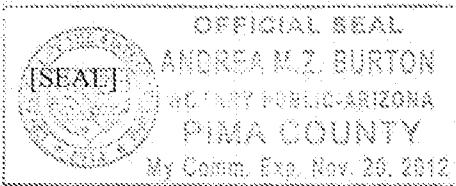
Andrew B. Facciano

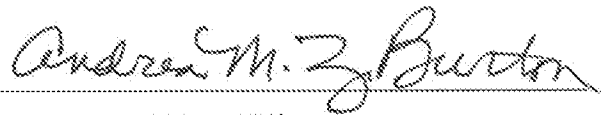
STATE OF ARIZONA)

)ss

COUNTY OF PIMA)

On this 1st day of FEBRUARY, 20 11 before me personally appeared Andrew B. Facciano, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.





Notary Public

ASSIGNMENT

Docket No: 1547.124US1

Client Ref. No. 10-1132US

Assignors: Andrew B. Facciano et al.

Title: PROJECTILE AND METHOD THAT INCLUDE SPEED ADJUSTING GUIDANCE AND PROPULSION SYSTEMS

Page 4 of 7

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2nd day of February, 2011.

James A. Ebel

James A. Ebel

STATE OF ARIZONA)

)ss

COUNTY OF PIMA)

On this 2nd day of FEBRUARY, 2011 before me personally appeared James A. Ebel, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Andrew M. Z. Burton

Notary Public

ASSIGNMENT

Client Ref. No. 10-113208

Assignors: Andrew B. Facciano et al

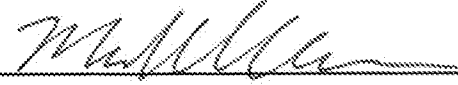
Title: PROJECTILE AND METHOD THAT INCLUDE SPEED ADJUSTING GUIDANCE AND PROPULSION SYSTEMS

Page 5 of 7

Docket No: 1547.124US1

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27 day of

January, 2011.



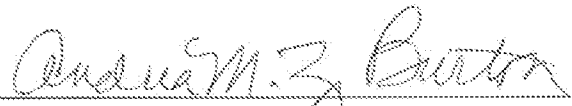
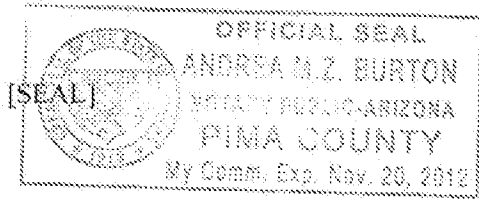
Michael Alkema

STATE OF ARIZONA)

)ss

COUNTY OF PIMA)

On this 27th day of JANUARY, 2011 before me personally appeared Michael Alkema, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Notary Public

ASSIGNMENT

Docket No: 1547 (24US)

Client Ref. No. 10-1132US

Assignors: Andrew B. Facciano et al.

Title: PROJECTILE AND METHOD THAT INCLUDE SPEED ADJUSTING GUIDANCE AND PROPULSION SYSTEMS

Page 7 of 7

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1 day of February, 2011.

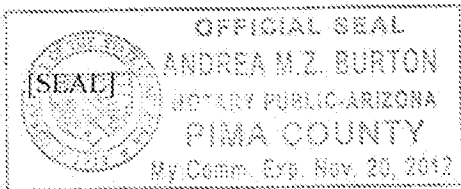
[Signature]
Mike J. Saxton

STATE OF ARIZONA)

)ss

COUNTY OF PIMA)

On this 1ST day of FEBRUARY, 2011 before me personally appeared Mike J. Saxton, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



[Signature]
Notary Public