

RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Ref/Docket No.: 1547.171US1

Patent and Trademark Office

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

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1. Name of conveying party(ies):

Ernest Dean Fasse, Frederick B. Koehler, Peter Val Messina

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

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement ☐ Change of Name☐ OtherExecution Date: September 14, 2011, September 14, 2011, September 12, 2011

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

Name: Raytheon Company

Street Address: 870 Winter Street

City: Waltham State: MA Zip: 02451-1449Country: United States of AmericaAdditional 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. 13/233,225, filed September 15, 2011

Additional numbers attached? ☐ Yes ☒ No

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

Name: Paul G. Kegley

Address:

Schwegman, Lundberg &amp; Woessner, P.A.

P.O. Box 2938

Minneapolis, MN 55402--0938

6. Total number of applications and patents involved: 17. 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

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**DO NOT USE THIS SPACE**

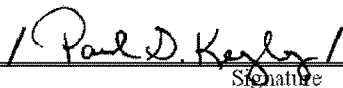
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9. Statement and signature.

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.

Paul G. Kegley/Reg. No. 60,336

Name of Person Signing



Signature

May 17, 2013

Date

Total number of pages including cover sheet: 12

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**

CH \$40.00 190743 13233225

**PATENT****700505252****REEL: 030463 FRAME: 0151**

Attorney Docket No. 1547.171USI  
Client Ref. No. 10-1141

### ASSIGNMENT

WHEREAS, We, Ernest Dean Fasse, residing at 851 N Sugar Maple Place, Tucson, AZ 85710, and Frederick B. Koehler, residing at 5000 W. Monte Carlo Dr., Tucson, AZ 85745-9643, and Peter Val Messina, residing at 2312 30th Street, Santa Monica, CA 90405, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent entitled MICRO-RADIAN CLASS LINE OF SIGHT AND CENTRATION STABILIZATION SYSTEM:

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. 13/233,225 ; Filing Date: September 15, 2013) 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

*No Provisional claim for priority is being made at this time.*

*No U.S. Non-Provisional claim for priority is being made at this time.*

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

**ASSIGNMENT**

Client Ref. No. 10-1141

Assignors: Ernest Dean Fasse et al.

Title: MICRO-RADIAN CLASS LINE OF SIGHT AND CENTRATION STABILIZATION SYSTEM

Page 2 of 5

Docket No: 1547.171US1

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:

**PATENT****REEL: 030463 FRAME: 0153**

## ASSIGNMENT

Client Ref. No. 10-1141

Docket No: 1547.171US1

Assignors: Ernest Dean Fasse et al.

Title: MICRO-RADIAN CLASS LINE OF SIGHT AND CENTRATION STABILIZATION SYSTEM

Page 3 of 5

IN TESTIMONY WHEREOF, I have hereunto set my hand this 14<sup>th</sup> day of  
September, 2011.



Ernest Dean Fasse

STATE OF ArizonaCOUNTY OF Pima )ss

On this 14<sup>th</sup> day of September, 2011 before me personally appeared  
Ernest Dean Fasse, 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.

[SEAL]



Notary Public

## ASSIGNMENT

Client Ref. No. 10-1141

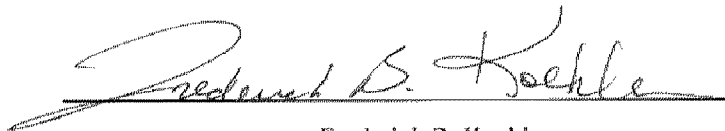
Assignors: Ernest Dean Fasse et al.

Title: MICRO-RADIAN CLASS LINE OF SIGHT AND CENTRATION STABILIZATION SYSTEM

Page 4 of 5

Docket No: 1547.171US1

IN TESTIMONY WHEREOF, I have hereunto set my hand this 14 day of  
September, 20 11.



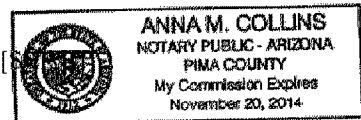
Frederick B. Koehler

STATE OF Arizona )

)ss

COUNTY OF Pima )

On this 14 day of September, 20 11 before me personally appeared  
Frederick B. Koehler, 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

PATENT

REEL: 030463 FRAME: 0155

Attorney Docket No. 1547.171US1  
Client Ref. No. 10-1141

### ASSIGNMENT

WHEREAS, We, Ernest Dean Fasse, residing at 851 N Sugar Maple Place, Tucson, AZ 85710, and Frederick B. Koehler, residing at 5000 W. Monte Carlo Dr., Tucson, AZ 85745-9643, and Peter Val Messina, residing at 2312 30th Street, Santa Monica, CA 90405, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent entitled MICRO-RADIAN CLASS LINE OF SIGHT AND CENTRATION STABILIZATION SYSTEM;

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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

*No Provisional claim for priority is being made at this time.*

*No U.S. Non-Provisional claim for priority is being made at this time.*

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

**ASSIGNMENT**

Client Ref. No. 10-1141

Assignors: Ernest Dean Fasse et al.

Title: MICRO-RADIAN CLASS LINE OF SIGHT AND CENTRATION STABILIZATION SYSTEM

Page 2 of 5

Docket No: 1547.171US1

**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:

Sep 14 11 11:02a

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## ASSIGNMENT

Client Ref. No. 10-1141

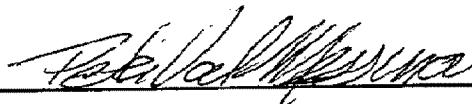
Assignors: Ernest Dean Fasse et al.

Title: MICRO-RADIAN CLASS LINE OF SIGHT AND CENTRATION STABILIZATION SYSTEM

Page 5 of 5

Docket No: 1547.171US1

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of  
September, 2011.



Peter Val Messina

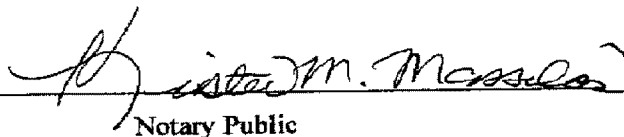
STATE OF CA

)ss

COUNTY OF Amador

On this 12<sup>th</sup> day of September, 2011 before me personally appeared <sup>Kristie M. MasseLas, Notary Public</sup>  
Peter Val Messina, 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 executed the  
same for the uses and purposes therein set forth.

[SEAL]

  
Notary Public

PATENT

RECORDED: 05/17/2013

REEL: 030463 FRAME: 0158