

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4180542

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PETER L. STEWART	11/28/2016
THOMAS M. JURCAK	11/28/2016
WILLIAM ELLIS KESTERSON	11/21/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	RAYTHEON COMPANY
<b>Street Address:</b>	870 WINTER STREET
<b>City:</b>	WALTHAM
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02451-1449
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15350028
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Email:</b>	request@slwip.com
<b>Correspondent Name:</b>	SCHWEGMAN LUNDBERG & WOESSNER, P.A.
<b>Address Line 1:</b>	P.O. BOX 2938
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	1547.567US1
<b>NAME OF SUBMITTER:</b>	KASIE A. BOSMA
<b>SIGNATURE:</b>	/Kasie A. Bosma/
<b>DATE SIGNED:</b>	12/12/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 6</b>	
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RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Ref/Docket No.: 15-7548-US-NP (1547.567US1)

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):

Peter L. Stewart, Thomas M. Jurcak, William Ellis  
Kesterson

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

☐ Yes ☒ No

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Other

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

Execution Date: November 28, 2016, November 28, 2016,  
November 21, 2016

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. 15/350,028

Additional numbers attached? ☐ Yes ☒ No

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

Name: Rigel J. Menard

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):\$ 0.00

☐ 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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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.

Rigel J. Menard/Reg. No. 66,520

Name of Person Signing

/Rigel J Menard/ 12/12/2016

Signature

Date

Total number of pages including cover sheet: 6

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: 040708 FRAME: 0792**

**ASSIGNMENT and DECLARATION**

I/we, the undersigned, Peter L. Stewart, Thomas M. Jurcak, William Ellis Kesterson, ("**Assignor(s)**"), have made certain inventions or discoveries (or both) set forth in a patent application entitled, RECOMMENDATIONS AND NOTIFICATIONS OVER LIMITED CONNECTIONS, identified as Attorney Docket No. 15-7548-US-NP (1547.567US1), which application was filed on November 12, 2016 and assigned Application No. 15/350,028. In the event that the execution date, filing date and/or Application No. are not entered or are incorrect at the time Assignor(s) executed this document, Assignor(s) hereby authorize and request an attorney of Assignee to insert the information or make the correction.

**RAYTHEON COMPANY** is a Delaware Corporation having a place of business at 870 Winter Street, Waltham, MA 02451-1449, and which, together with its successors and assigns ("**Assignee**"), is desirous of acquiring the title, rights, benefits and privileges hereinafter recited.

For valuable consideration furnished by Assignee to Assignor(s), receipt and sufficiency of which Assignor(s) hereby acknowledge, Assignor(s) hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application, any and all other patent applications (including without limitation utility models, provisionals, designs, plants and any other such intellectual property) on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent and any provisional applications from which priority is claimed in said patent applications and said Letters Patent and all rights to claim or sue for prior damages;

2. Authorize Assignee to file said patent applications in any or all countries on any or all of said inventions and discoveries in the name of Assignor(s) or in the name of Assignee or otherwise as Assignee may deem advisable, under any international conventions, international treaties, or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

PATENT ASSIGNMENT and DECLARATION  
*Attorney Docket No. 15-7548-US-NP (1547.567US1)*

4. Confirm that Assignor(s) have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and

5. Bind heirs, legal representatives and assigns of Assignor(s), as well as Assignor(s), to do, upon Assignee's request, all acts reasonable to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by Assignor(s) or heirs, legal representatives and assigns of Assignor(s) if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to Assignor(s) relating to said inventions and discoveries or the history thereof; and to furnish Assignee, upon request, with any and all relevant documents, photographs, models, samples and other physical exhibits in control of Assignor(s) or in the control of heirs, legal representatives or assigns of Assignor(s).

Assignor(s) accept the terms of this Assignment as indicated by their signature below.

Further, each Assignor individually, as a named inventor, hereby declares:

- a) The above-identified application was made or authorized to be made by me;
- b) I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application; and
- c) I hereby acknowledge that any willful false statement made in this declaration is punishable under § 1001 of Title 18 of the United States Code by fine or imprisonment of not more than five (5) years, or both.

Each Assignor individually, as a named inventor, also states:

I have reviewed and understand the contents of the above-identified application.

I acknowledge the duty to disclose to the United States Patent Office all information known to me to be material to the patentability of the above-identified application.

*[Signatures on following pages]*

PATENT ASSIGNMENT and DECLARATION  
Attorney Docket No. 15-7548-US-NP (1547.567US1)

Accepted by:

Dated: 11/28/2016

Peter L. Stewart  
Peter L. Stewart

Witnessed by:

Dated: \_\_\_\_\_

\_\_\_\_\_  
[Witness' Signature]

\_\_\_\_\_  
[Witness' Printed Name]

Dated: \_\_\_\_\_

\_\_\_\_\_  
[Witness' Signature]

\_\_\_\_\_  
[Witness' Printed Name]

PATENT ASSIGNMENT and DECLARATION  
Attorney Docket No. 15-7548-US-NP (1547.567US1)

Accepted by:

Dated: 11/28/2016

  
\_\_\_\_\_  
Thomas M. Jurcak

Witnessed by:

Dated: \_\_\_\_\_

\_\_\_\_\_  
[Witness' Signature]

\_\_\_\_\_  
[Witness' Printed Name]

Dated: \_\_\_\_\_

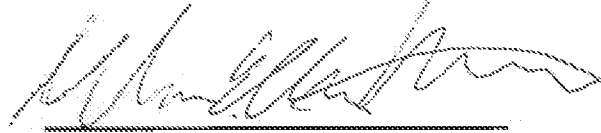
\_\_\_\_\_  
[Witness' Signature]

\_\_\_\_\_  
[Witness' Printed Name]

PATENT ASSIGNMENT and DECLARATION  
Attorney Docket No. 15-7548-US-NP (1547.567US1)

Accepted by:

Dated: 11/21/16

  
\_\_\_\_\_  
William Ellis Kesterson

Witnessed by:

Dated: \_\_\_\_\_

\_\_\_\_\_  
[Witness' Signature]

\_\_\_\_\_  
[Witness' Printed Name]

Dated: \_\_\_\_\_

\_\_\_\_\_  
[Witness' Signature]

\_\_\_\_\_  
[Witness' Printed Name]