

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5520871

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PHILIP A. BIES	05/13/2019
RYAN K. MCLEAN	05/13/2019
RECEIVING PARTY DATA	
Name:	RAYTHEON COMPANY
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City:	WALTHAM
State/Country:	MASSACHUSETTS
Postal Code:	02451-1449
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16410606
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ATTORNEY DOCKET NUMBER:	RAYTP0803US
NAME OF SUBMITTER:	BONNIE M. SMITH
SIGNATURE:	/Bonnie M. Smith/
DATE SIGNED:	05/14/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 3	
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ASSIGNMENT and DECLARATION

I/we, the undersigned, Philip A. Bies and Ryan K. McLean ("**Assignor(s)**"), have made certain inventions or discoveries (or both) set forth in a patent application entitled, MODULAR EXPANDABLE TUBE ASSEMBLY AND LAUNCH SYSTEM, identified as *Attorney Docket No. 18-11037-US-NP* (RAYTP0803US), which application was filed on ____TBD__ and assigned Application No. _Herewith_. 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;

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

PATENT ASSIGNMENT and DECLARATION
Attorney Docket No. RAYTP0803US (18-11037-US-NP)

Accepted by:

Dated: 13 MAY 2019


[Inventor's Signature]

Philip A. Bies
[Inventor's Printed Name]

Witnessed by:

Dated: 13 MAY 2019


[Witness' Signature]

Valentin Lederer Jr.
[Witness' Printed Name]

Dated: 13 MAY 2019


[Witness' Signature]

RICHARD J. AQUINO
[Witness' Printed Name]

PATENT ASSIGNMENT and DECLARATION
Attorney Docket No. RAYTP0803US (18-11037-US-NP)

Accepted by:

Dated: 13 MAY 2019


[Inventor's Signature]

Ryan K. McLean
[Inventor's Printed Name]

Witnessed by:

Dated: 13 MAY 2019


[Witness' Signature]

Valentin Lederma Jr.
[Witness' Printed Name]

Dated: 13 MAY 2019


[Witness' Signature]

RICHARD J. AQUINO
[Witness' Printed Name]