## 504089328 11/09/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MATTHEW K. ROBERTS	11/08/2016
BRENT F. CRAIG	11/04/2016
WESLEY E. HOLLEMAN	11/07/2016

### **RECEIVING PARTY DATA**

Name:	THE BOEING COMPANY
Street Address:	100 N. RIVERSIDE PLAZA
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60606-1596

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15347609

### **CORRESPONDENCE DATA**

**Fax Number:** (408)228-3739

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	16-0914_BNGCP096US	
NAME OF SUBMITTER:	AMBER LUNDY	
SIGNATURE:	/Amber Lundy/	
DATE SIGNED:	11/09/2016	

## **Total Attachments: 3**

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PATENT 504089328 REEL: 040273 FRAME: 0077

ASSIGNMENT

Docket No.: 16-0914-US-NP\_BNGCP096US

Whereas, Matthew K. Roberts, residing at Shoreline, WA; Brent F. Craig, residing at Seattle, WA; and Wesley E. Holleman, residing at Long Beach, CA (hereinafter "assignors") have invented certain new and useful inventions and improvements (hereinafter "invention") described in the united states patent application entitled APPARATUSES AND METHODS FOR TIGHTENING OR LOOSENING THREADED COUPLINGS, for which assignors are making or have made application for letters patent of the united states, which application has been duly executed by assignor concurrently herewith; or filed on
no;
WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, USA, having a place of business at 100 N. Riverside, Chicago, Illinois 60606-1596, with a mailing address of 2201 Seal Beach Boulevard, Mailcode 110-SD54, Seal Beach, CA 90740, USA (hereinafter called "the Assignee"), is desirous of acquiring the entire right, title and interest in and to the Invention within the United States of America and its territorial possessions and all foreign countries, and in and to any United States or foreign LETTERS PATENT that may be granted therefor;
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged. Assignors have assigned, sold and transferred, and does assign, sell and transfer to the Assignee, its successors and assigns, the entire right, title and interest in and to the Invention within the United States of America and its territorial possessions and all foreign countries, and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants that may be granted for any and all portions thereof, and in and to the patent application identified above and applications for patent filed for the Invention in all foreign countries and all provisional, divisional, reissue, continuation, continuation—in-part applications and extensions of any of the applications for patent or LETTERS PATENT identified herein, including all applications claiming the priority of said applications for patent or LETTERS PATENT identified herein, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of the United States LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America. Assignee will hold all rights for its own use and benefit and for the use and benefit of its successors or assigns to the full end of the term for which the LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. Assignor requests and authorizes the Commissioner of the U.S. Patent and Trademark Office, and foreign counterpart officials of foreign patent offices, to issue respective LETTERS PATENT in the United States and foreign countries when granted, in accorda
Assignors further covenant and agree with the Assignee that Assignors have a full and unencumbered title to the Invention, which title Assignors warrant to the Assignee. Assignors further agree that Assignors will, without demanding any further consideration therefor, at the request and expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the Invention, and for maintaining and perfecting the Assignee's right to the Invention and LETTERS PATENT particularly in cases of interference conflict, opposition and litigation.
IN TESTIMONY WHEREOF, I/We have signed this Assignment on the date specified below.    1   8   2 0   6     Martinew K. Roberts Date   1   1   1   1   1   1   1   1   1
Brent F. Craig Date
Wesley E. Holleman Date

16-0914-US-NP\_BNGCP096US

ASSIGNMENT

Docket No.: 16-0914-US-NP\_BNGCP096US

Whereas, Matthew K. Roberts, residing at Shoreline, WA; Brent F. Craig, residing at Seattle, WA; and Wesley E. Holleman, residing at Long Beach, CA (hereinafter "assignors") have invented certain new and useful inventions and improvements (hereinafter "invention") described in the united states patent application entitled   APPARATUSES AND METHODS FOR TIGHTENING OR LOOSENING THREADED COUPLINGS, for which assignors are making or have made application for letters patent of the united states, which application has been duly executed by assignor concurrently herewith; or filed onas application for letters.
WHEREAS. The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, USA, having a place of business at 100 N. Riverside, Chicago, Illinois 60606-1596, with a mailing address of 2201 Scal Beach Boulevard, Mailcode 110-SD54, Scal Beach, CA 90740, USA (hereinafter called "the Assignee"), is desirous of acquiring the entire right, title and interest in and to the Invention within the United States of America and its territorial possessions and all foreign countries, and in and to any United States or foreign LETTERS PATENT that may be granted therefor:
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged Assignors have assigned, sold and transferred, and does assign, sell and transfer to the Assignee, its successors and assigns, the entire right, title and interest in and to the Invention within the United States of America and intertitorial possessions and all foreign countries, and in and to any LETTERS PATENT of the United States are foreign countries, including utility models, inventor's certificates and like government grants that may be granted for any and all portions thereof, and in and to the patent application identified above and applications for patent filed file the Invention in all foreign countries and all provisional, divisional, reissue, continuation, continuation—in-par applications and extensions of any of the applications for patent or LETTERS PATENT identified herein, including all applications claiming the priority of said applications for patent or LETTERS PATENT identified herein, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property. Together with the right to extend the protection of the United States LETTERS PATENT is the various territorial possessions now owned or which may be hereafter acquired by the United States of America Assignor will hold all rights for its own use and benefit and for the use and benefit of its successors or assigns to the full end of the term for which the LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. Assignor requests and authorizes the Commissioner of the U.S. Patent and Trademark Office, and foreign counterpart officials of foreign patent offices. To issue respective LETTERS PATENT in the United States and foreign countries when granted, is accordance
Assignors further covenant and agree with the Assignee that Assignors have a full and unencumbered title to the Invention, which title Assignors warrant to the Assignee. Assignors further agree that Assignors will, without demanding any further consideration therefor, at the request and expense of the Assignee, do all lawful and just acts including the execution and acknowledgment of instruments, that may be or become necessary for obtaining sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the Invention, and for maintaining and perfecting the Assignee's right to the Invention and LETTERS PATENT particularly in cases of interference conflict, opposition and litigation.
IN TESTIMONY WHEREOF, I'We have signed this Assignment on the date specified below.

16-0914-US-NP\_BNGCP096US

Wesley E. Holleman

Matthew K. Roberts

Date

Date

PATENT REEL: 040273 FRAME: 0079 ASSIGNMENT

Whereas, Matthew K. Roberts, residing at Shoreline, WA; Brent F. Craig, residing at Seattle, WA; and Wesley E. Holleman, residing at Long Beach, CA (hereinafter "assignors") have invented certain new and useful inventions and improvements (hereinafter "invention") described in the united states patent application entitled APPARATUSES AND METHODS FOR TIGHTENING OR LOOSENING THREADED COUPLINGS, for which assignors are making or have made application for letters patent of the united states, which application has been duly executed by assignor concurrently herewith; or filed on as application WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, USA, having a place of business at 100 N. Riverside, Chicago, Illinois 60606-1596, with a mailing address of 2201 Seal Beach Boulevard, Mailcode 110-SD54, Seal Beach, CA 90740, USA (hereinafter called "the Assignee"), is desirous of acquiring the entire right, title and interest in and to the Invention within the United States of America and its territorial possessions and all foreign countries, and in and to any United States or foreign LETTERS PATENT that may be granted therefor; NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignors have assigned, sold and transferred, and does assign, sell and transfer to the Assignee, its successors and assigns, the entire right, title and interest in and to the Invention within the United States of America and its territorial possessions and all foreign countries, and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants that may be granted for any and all portions thereof, and in and to the patent application identified above and applications for patent filed for the Invention in all foreign countries and all provisional, divisional, reissue, continuation, continuation-in-part applications and extensions of any of the applications for patent or LETTERS PATENT identified herein, including all applications claiming the priority of said applications for patent or LETTERS PATENT identified herein, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of the United States LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America. Assignee will hold all rights for its own use and benefit and for the use and benefit of its successors or assigns to the full end of the term for which the LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. Assignor requests and authorizes the Commissioner of the U.S. Patent and Trademark Office, and foreign counterpart officials of foreign patent offices, to issue respective LETTERS PATENT in the United States and foreign countries when granted, in accordance with this assignment. Assignors further covenant and agree with the Assignee that Assignors have a full and unencumbered title to the Invention, which title Assignors warrant to the Assignee. Assignors further agree that Assignors will, without demanding any further consideration therefor, at the request and expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the Invention, and for maintaining and perfecting the Assignee's right to the Invention and LETTERS PATENT particularly in cases of interference conflict, opposition and litigation. IN TESTIMONY WHEREOF, I/We have signed this Assignment on the date specified below.

16-0914-US-NP BNGCP096US

Date

Date

Matthew K. Roberts

Brent F. Craig

RECORDED: 11/09/2016

PATENT REEL: 040273 FRAME: 0080

Docket No.: 16-0914-US-NP BNGCP096US