504595625 10/16/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT4642337

CONVEYING PARTY DATA

Name	Execution Date
SCOTT A. ROSE	10/13/2017
SEAN M. THUSTON	10/13/2017
BRIAN J. MARTINEK	10/15/2017
JOHN A. BAUMANN	10/13/2017

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:	15784506

CORRESPONDENCE DATA

Fax Number: (408)228-3739

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.

Phone: 510-900-9501 Email: docket@kwanip.com **KWAN & OLYNICK LLP Correspondent Name:**

Address Line 1: 2000 HEARST AVENUE, STE. 305 Address Line 4: BERKELEY, CALIFORNIA 94709

ATTORNEY DOCKET NUMBER:	17-1335_BNGCP128US
NAME OF SUBMITTER:	AMBER LUNDY
SIGNATURE:	/Amber Lundy/
DATE SIGNED:	10/16/2017

Total Attachments: 4

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ASSIGNMENT Docket No.: 17-1335-US-NP BNGC128US

Whereas, Scott A. Rose, residing at Wentzville, MO; Sean M. Thuston, residing at High Ridge, MO; Brian J.
Martinek, residing at Troy, MO; and John A. Baumann, residing at St. Charles, MO; (hereinafter "assignors") have
invented certain new and useful inventions and improvements (hereinafter "invention") described in the united state
patent application entitled REPAIRING HOLES CREATED IN COMPONENTS DURING BOBBIN
FRICTION STIR WELDING, for which assignors are making or have made application for letters patent of the
united states, which application has been duly executed by assignors concurrently herewith; or filed on
as application 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 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.

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Date	
	Date Date

Docket No.: 17-1335-US-NP_BNGC128US

ASSIGNMENT Docket No.: 17-1335-US-NP_BNGC128US

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 actincluding 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.
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 an assigns, the entire right, title and interest in and to the Invention within the United States of America and it territorial possessions and all foreign countries, and in and to any LETTERS PATENT of the United States an 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-par applications and extensions of any of the applications for patent or LETTERS PATENT identified herein, includin 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 of 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 authorize the Commissioner of the U.S. Patent and Trademark Office, and foreign countries when granted, it accordance with this assignment.
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
Whereas, Scott A. Rose, residing at Wentzville, MO; Sean M. Thuston, residing at High Ridge, MO; Brian J. Martinek, residing at Troy, MO; and John A. Baumann, residing at St. Charles, MO; (hereinafter "assignors") have invented certain new and useful inventions and improvements (hereinafter "invention") described in the united state patent application entitled REPAIRING HOLES CREATED IN COMPONENTS DURING BOBBIN FRICTION STIR WELDING , for which assignors are making or have made application for letters patent of the united states, which application has been duly executed by assignors concurrently herewith; or filed on

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Date

Sean M. Thuston

Brian J. Martinek

Date

Yorn a Baumonn

10/13/17

John A. Baumann

Date

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PATENT REEL: 043873 FRAME: 0616

RECORDED: 10/16/2017