503565551 11/11/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3612178

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LUKE FLETCHER	10/28/2015
ASHLEIGH RAOUL NESBIT	10/27/2015
DOMINIC WIERZBICKI	10/29/2015
RICHARD BAIN	10/29/2015
ANDREW KLIMOVSKI	10/29/2015
PETER NATHAN STEELE	11/05/2015
MARTIN SZARSKI	11/11/2015
PETER LOCKETT	11/05/2015
MANNING SCARFE	11/05/2015

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14938767

CORRESPONDENCE DATA

Fax Number: (214)651-5940

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: 214-651-5000

Email: monique.lesadahiro@haynesboone.com

Correspondent Name: HAYNES AND BOONE, LLP Address Line 1: 2323 VICTORY AVENUE

Address Line 2: SUITE 700

Address Line 4: DALLAS, TEXAS 75219

ATTORNEY DOCKET NUMBER: 70186.299US01

NAME OF SUBMITTER: DON C. LAWRENCE

PATENT

503565551 REEL: 037017 FRAME: 0887

SIGNATURE:	/Don C. Lawrence/
DATE SIGNED:	11/11/2015
Total Attachments: 3	
source=70186.299US01_SignedAssignr	ment#page1.tif
source=70186.299US01_SignedAssignr	ment#page2.tif
source=70186.299US01 SignedAssignr	ment#page3.tif

PATENT REEL: 037017 FRAME: 0888

Docket No.: 70186.299US01 (15-1331-US-NP)

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 5301 Bolsa Avenue, Huntington Beach, California, 92647, 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, Assignor has assigned, sold and transferred, and does assign, sell and transfer to the Assignee, its successors and assigns, its 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.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the Assignor's interest in the Invention, which title Assignor warrants to the Assignee. Assignor further agrees that Assignor 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.

Assignor authorizes and directs any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

BOEING PROPRIETARY

Docket No.: 70186.299US01 (15-1331-US-NP)

IN TESTIMONY WHEREOF, we have signed this Assignment on the date specified below. Luke Fletcher Dominic Wierzbicki Peter Nathan Steele Martin Szarski Date

BOEING PROPRIETARY

Docket No.: 70186.299US01 (15-1331-US-NP)

IN TESTIMONY WHEREOF,	, we have signed t	
Luke Fletcher	Date	
•		
Ashleigh Raoul Nesbit	Date	
Dominic Wierzbicki	Date	
Richard Bain	Date	
Andrew Klimovski	Data	
Andrew Kilmovski	Date	
Peter Nathan Steele	Date	
Martin Szarski	= 11/11/ Date	
Iviarum 32atski	c/urc	
Peter Lockett	Date	
Manning Scarfe	Date	

7