

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5173243

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TSAI-CHING LU	10/01/2018
STEPHEN C. SLAUGHTER	09/28/2018
RICHARD PATRICK	10/01/2018
CHARLES E. MARTIN	10/03/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE BOEING COMPANY
<b>Street Address:</b>	100 NORTH RIVERSIDE PLAZA
<b>City:</b>	CHICAGO
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60606-1596
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16151499
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(919)755-2150
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<b>Phone:</b>	9197551250
<b>Email:</b>	KAYLA.FISHER@WBD-US.COM
<b>Correspondent Name:</b>	WOMBLE BOND DICKINSON (US) LLP
<b>Address Line 1:</b>	ATTN: IP DOCKETING
<b>Address Line 2:</b>	P.O. BOX 7037
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30357
<b>ATTORNEY DOCKET NUMBER:</b>	B86918 2920US.1 (0223.1)
<b>NAME OF SUBMITTER:</b>	KAYLA FISHER
<b>SIGNATURE:</b>	/kayla fisher/
<b>DATE SIGNED:</b>	10/04/2018
<b>Total Attachments: 5</b>	
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source=2018-10-04 Assignment 18-0476-US-NP#page5.tif

**ASSIGNMENT**

**WHEREAS**, TSAI-CHING LU, residing at Thousand Oaks, California, STEVE SLAUGHTER, residing at Mesa, California, CHARLES E. MARTIN residing at Thousand Oaks, California and RICHARD PATRICK residing at Irvine, California (hereinafter "Assignor") has invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled DETECTING FAULT STATES OF AN AIRCRAFT for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor 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 North Riverside Plaza, Chicago, Illinois 60606-1596, 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 first paragraph of this Assignment.

IN TESTIMONY WHEREOF, I have signed this Assignment on the date specified below.

\_\_\_\_\_  
Tsai-Ching Lu Date

\_\_\_\_\_  
Steve C. Slaughter Date

Charles E. Martin 10/3/18  
Charles E. Martin Date

\_\_\_\_\_  
Richard Patrick Date

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Tsai-Ching Lu      10/11/2018  
Tsai-Ching Lu      Date

\_\_\_\_\_  
Steve C. Slaughter      Date

\_\_\_\_\_  
Charles E. Martin      Date

\_\_\_\_\_  
Richard Patrick      Date

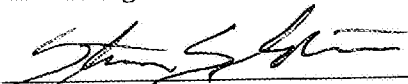
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\_\_\_\_\_  
Tsai-Ching Lu

\_\_\_\_\_  
Date



9-28-2018

\_\_\_\_\_  
Stephen C. Slaughter

\_\_\_\_\_  
Date

\_\_\_\_\_  
Charles E. Martin

\_\_\_\_\_  
Date

\_\_\_\_\_  
Richard Patrick

\_\_\_\_\_  
Date

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\_\_\_\_\_  
Tsai-Ching Lu Date

\_\_\_\_\_  
Steve C. Slaughter Date

\_\_\_\_\_  
Charles E. Martin Date

*Richard Patrick* 10/01/2018  
\_\_\_\_\_  
Richard Patrick Date