## 504618234 10/30/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4664949

		NEW ASSIGNMENT	
NATURE OF CONVEYAN	ICE:	ASSIGNMENT	
CONVEYING PARTY DA	٩ΤΑ		
		Name	Execution Date
SEAN M. RAMEY			12/16/2014
JEFFREY A. LAWRENC	E		12/19/2014
ENOCH E. MCDOWELL			12/12/2014
JOHN A. SEKORA			12/12/2014
EDGAR L. VON TROTH	A		12/12/2014
DAVID E. LAWRENCE			12/17/2014
RECEIVING PARTY DA			
Name:		OEING COMPANY	
Street Address:		RIVERSIDE PLAZA	
City:	CHICA	GO	
State/Country:	ILLINC	DIS	
Postal Code:	60606		
PROPERTY NUMBERS	I otal: 1	Number	
Property Type		Number	
Application Number		15707700	
Application Number:		15797780	
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CORRESPONDENCE D			
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CORRESPONDENCE D. Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name:	e sent to	(919)286-8199 o the e-mail address first; if that is unsu d; if that is unsuccessful, it will be sent 9192868098 christinaquinn@mvalaw.com MOORE & VAN ALLEN, PLLC	via US Mail.
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CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NU	e sent to provideo	(919)286-8199 o the e-mail address first; if that is unsu d; if that is unsuccessful, it will be sent 9192868098 christinaquinn@mvalaw.com MOORE & VAN ALLEN, PLLC PO BOX 13706 RESEARCH TRIANGLE PK, NORTH CAF 14-1106-US-CNT.268 CHARLES L. MOORE; REG. NO.: 3	via US Mail. ROLINA 27709

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ASSIGNMENT

WHEREAS, Sean M. Ramey, residing at Lynnwood, WA, and Jeffrey A. Lawrence, residing at Snohomish, WA, Enoch E. McDowell, residing at Everett, WA, John A. Sekora, residing at Mukilteo, WA, Edgar L. von Trotha-III, residing at Snohomish, WA, and David E. Lawrence, residing at Mill Creek, WA (hereinafter "Assignors") have invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled AUTOMATIC DATA BUS WIRE INTEGRITY VERIFICATION DEVICE 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 December 19, 2014 as Application No. 14/577,151

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, MC H011-B171, Huntington Beach, CA 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, 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 Assignors 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 Assignors if this assignment and sale had not been made. Assignors request and authorize 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 Assignce'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.

Date

Date

<u>12/16/20/9</u> Date Sean M. Ranky

Jeffrey A. Lawrence Date

Enoch E. McDowell	Date

John A. Sekora

Edgar L. von Trotha-III

David E. Lawrence Date

Assignce'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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John A. Sekora

Date

Edgar L. von Trotha-III

David E. Lawrence

Date

Page 2 of 2

Date

PATENT REEL: 043984 FRAME: 0657

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Assignce'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.

Sean M. Ramey	Date
Jeffrey A. Lawrence	Date
Enoch E. McDowell	Date
John A. Sekora	Date
Edgar L. Von Trotha-III	Date
David E. Lawrence	Date

Page 2 of 2

Assignee's right to the Invention and LETTERS PATENT particularly in cases of interference conflict, opposition and litigation.

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Sean M. Ramey	Date
Jeffrey A. Lawrence	Date
Enoch E. McDowell	Date
Je a L.J. John A. Sekora	12/12/14 Date
Edgar L. Von Trotha-III	Date
David E. Lawrence	Date

Page 2 of 2

Assignee's right to the Invention and LETTERS PATENT particularly in cases of interference conflict, opposition and litigation.

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Sean M. Ramey	Date
Jeffrey A. Lawrence	Date
Enoch E. McDowell	Dat
John A. Sekora	Date
Edgar L. von Trotha-III	<u>72/12/</u> Date
David E. Lawrence	Date

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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.

Sean M. Ramey	Date
Jeffrey A. Lawrence	Date
Enoch E. McDowell	Date
John A. Sekora	Date
Edgar L. von Trotha-III	Date
	12/17/2019
David E. Lawrence	Date

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## PATENT REEL: 043984 FRAME: 0661

**RECORDED: 10/30/2017**