PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5215777

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSEPH D. BRENNAN	10/25/2018
KENNETH M. DULL	10/24/2018
WILLIAM S. HOLLENSTEINER	08/27/2018
JENNIFER SUE NOEL	08/20/2018
BRIAN G. ROBINS	08/20/2018

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:	15148177

CORRESPONDENCE DATA

Fax Number: (972)385-7766

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: 972-385-8777

Email: ptonotifs@yeeiplaw.com

Correspondent Name: DUKE W. YEE

Address Line 1: YEE & ASSOCIATES, P.C.

Address Line 2: P.O. BOX 802333

Address Line 4: DALLAS, TEXAS 75380

ATTORNEY DOCKET NUMBER: 08-0626-US-DIV

NAME OF SUBMITTER: PETER J. MANGHERA

SIGNATURE: /PETER J. MANGHERA/

DATE SIGNED: 10/31/2018

Total Attachments: 21

PATENT REEL: 047376 FRAME: 0523

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PATENT REEL: 047376 FRAME: 0524

Title of Invention: COMPOSITE STIFFENER POSITIONING AND VACUUM BAG INSTALLATION DEVICE

As a below named and undersigned inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

[X] United States application or PCT international application number 15/148, 177 filed on May 06, 2016.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, I ("ASSIGNOR") have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

Whereas, International Business Machines Corporation (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions. continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by me had this Assignment not been made; and I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all

(5) Legal Name of Inventor: Jennifer Sue Noel	
Signature:	Date:
(6) Legal Name of Inventor: Brian G. Robins	
Signature:	Date:
(7) Legal Name of Inventor: Darrell D. Jones	
Signature:	Date:

Doc code: Oath

Document Description: Oath or declaration filed

PTO/AlA/02 (07-18) Approved for use through 11/30/2020 OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

Title of Invention	COMPOSITE STIFFENER I DEVICE	POSITIONING AND	VACUUM BAG INS	TALLATION
This stateme	ent is directed to:			
The att	ached application,			
OR		منغ پي	(A A M A MM)	00000000
United §	States application or PCT international	application number	/148,177_filed on	<u>U5/U6/2016</u>
LEGAL NA	ME of inventor to whom this sul	bstitute statement app	lies:	
	Name (first and middle (if any)) and Fi	amily Name or Surname)		
Donald	Chester Darrow			
Residence (except for a deceased or legally incapa	acitated inventor):	~~~~~	
Gra Gra	nd Prairie	TX State	Country	***************************************
	ss (except for a deceased or legally incapa h Riverside Plaza	•••••••••••••••••••••••••••••••••••••••		
_{city} Chic	cago	State	_{Zip} 60606	Country US
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.				
The above-i	dentified application was made or auth	norized to be made by me.		***************************************
I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.				
Relationshi	p to the inventor to whom this substitu	ite statement applies:		
Le	gal Representative (for deceased or le	egally incapacitated invent	ocanily),	COCCE
As	ssignee,			Person
P6	erson to whom the inventor is under an	n obligation to assign,		assections
Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or				
Jo	int Inventor.			***************************************

[Page 1 of 2]

This collection of information is required by 36 U.S.C. 115 and 37 CFR.1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR.1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

SUBSTITUTE STATEMENT

Circumstances permitting execution of this su	bstitute statement:		
Inventor is deceased,			
Inventor is under legal incapacity,			
Inventor cannot be found or reached	l after diligent effort, or		
Inventor has refused to execute the	oath or declaration under 3	77 CFR 1.63.	
If there are joint inventors, please check the s	appropriate box below:		
An application data sheet under 37 or is currently submitted.	CFR 1.76 (PTO/AIA/14 or e	equivalent) naming the entire	e inventive entity has been
OR .			
An application data sheet under 37 (Statement Supplemental Sheet (PTC information is attached. See 37 CFR	D/AIA/11 or equivalent) nai	equivalent) has not been so ming the entire inventive er	ibmitted. Thus, a Substitute tity and providing inventor
	WARNING:		······································
Petitioner/applicant is cautioned to avoid submit contribute to identity theft. Personal information (other than a check or credit card authorization to support a petition or an application. If this typetitioners/applicants should consider redacting USPTO. Petitioner/applicant is advised that the application (unless a non-publication request in patent. Furthermore, the record from an aband referenced in a published application or an issu PTO-2038 submitted for payment purposes are	n such as social security no form PTO-2038 submitted pe of personal information g such personal information a record of a patent applica compliance with 37 CFR 1 loned application may also led patent (see 37 CFR 1.1	imbers, bank account num for payment purposes) is r is included in documents si i from the documents befor tion is available to the public if 1213(a) is made in the app be available to the public if 4). Checks and credit card	bers, or credit card numbers lever required by the USPTO ubmitted to the USPTO, e submitting them to the ic after publication of the lication) or issuance of a the application is
PERSON EXECUTING THIS SUBSTITUTE ST	ATEMENT:	······································	

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Signature: Eci Sytum	1 0		
APPLICANT NAME AND TITLE OF PERSON	***************************************	***************************************	
If the applicant is a juristic entity, list the applica		e signer:	
The Boeing Company Applicant Name:	•		
Title of Person Executing Assistant (This Substitute Statement:	Secretary		
The signer, whose title is supplied above, is au			
Residence of the signer (unless provided in	an application data shee	it, PTO/AIA/14 or equivale	ent):
City FRVINE	State CA	Country U - \$	Α,
Mailing Address of the signer (unless provi 100 North Riverside Plaza	ded in an application dat	a sheet, PTO/AIA/14 or e	quivalent)
շոչ Chicago	State L.	_{Zip} 60606	Country US
Note: Use an additional PTO/AIA/02 form for e after diligent effort, or has refused to execute the			annot be found or reached

[Page 2 of 2]

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1 The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
- A record from this system of records may be disclosed, as a routine use, in the course of
 presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to
 apposing counsel in the course of settlement regotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
- A record from this system of records may be disclosed, as a routine use, to a Federal, State,
 or local law enforcement agency, if the USPTO becomes aware of a violation or potential
 violation of law or regulation.

PATENT REEL: 047376 FRAME: 0530

Title of Invention: COMPOSITE STIFFENER POSITIONING AND VACUUM BAG INSTALLATION DEVICE

As a below named and undersigned inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

[X] United States application or PCT international application number 15/148, 177 filed on May 06, 2016.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, I ("ASSIGNOR") have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

Whereas, International Business Machines Corporation (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions. continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by me had this Assignment not been made; and I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all

IBM DOCKET NUMBER: 08-0626-US-DIV

related patents and applications, in the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant the ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: Joseph D. Brennan	
Signature:	Date:
(2) Legal Name of Inventor: Donald Chester Darrow	
Signature:	Date:
(3) Legal Name of Inventor: Kenneth M. Duli	
Signature: <u>Lanet M. Dull</u>	Date: <u>OCT 24</u> , ZO18
(4) Legal Name of Inventor: William S. Hollensteiner	
Signature:	Date:
Page 2 of 3	

(5) Legal Name of Inventor: Jennifer Sue Noel		
Signature:	Date:	
(6) Legal Name of Inventor: Brian G. Robins		
Signature:	Date:	nnaanaanaa.
(7) Legal Name of Inventor: Darrell D. Jones		
Signature:	Date:	

Title of Invention: COMPOSITE STIFFENER POSITIONING AND VACUUM BAG INSTALLATION DEVICE

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Whereas, International Business Machines Corporation (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions. continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by me had this Assignment not been made; and I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all

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(1) Legal Name of Inventor: Joseph D. Brennan	
Signature:	Date:
(2) Legal Name of Inventor: Donald Chester Darrow	
Signature:	Date:
(3) Legal Name of Inventor: Kenneth M. Dull	
Signature:	Date:
(4) Legal Name of Inventor: William S. Hollensteiner	
Signature: William / July Meyro	Date: 8/27/18

(5) Legal Name of Inventor: Jennifer Sue Noel		
Signature:	Date:	
(6) Legal Name of Inventor: Brian G. Robins		
Signature:	Date:	nnaanaanaa.
(7) Legal Name of Inventor: Darrell D. Jones		
Signature:	Date:	

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Whereas, I ("ASSIGNOR") have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

Whereas, International Business Machines Corporation (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto:

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged. I hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by me had this Assignment not been made; and I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the invention and all

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()) Legal Name of inventor: Joseph 1), brennat	
Signatore:	
(2) Legal Name of Inventor: Donald Chester D a	\$\$\$.0%.
Signature:	
(3) Legal Name of Inventor: Kenneth M. Dull	
Signature:	
(4) Legal Name of Inventor: William S. Hollens	feiner
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Date: <u>8 20 1 </u>
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rs.

Title of Invention: COMPOSITE STIFFENER POSITIONING AND VACUUM BAG INSTALLATION DEVICE

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Whereas, I ("ASSIGNOR") have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

Whereas, International Business Machines Corporation (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I hereby self or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by me had this Assignment not been made; and I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all

related patents and applications, in the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant the ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: Joseph D. Brennan	
Signature:	Date:
(2) Legal Name of Inventor: Donald Chester Darrow	
Signature:	Date:
(3) Legal Name of Inventor: Kenneth M. Dull	
Signature:	Date:
(4) Legal Name of Inventor: William S. Hollensteiner	
Signature:	Date:

(5) Legal Name of Inventor: Jennifer Sue Noel	
Signature:	Date:
(6) Legal Name of Inventor: Brian G. Robins Signature:	Dar \$720/18
Signature	Date:
(7) Legal Name of Inventor: Darrell D. Jones	
O considerance	Thosas

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PTO/AiA/02 (07-18)

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SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

Title of Invention DEVICE						
The alto OR United S LEGAL NA (E.g., Given Darrell Residence (e	ent is directed to: ached application, States application or PCT international ME of inventor to whom this sub Name (first and middle (if any)) and Fi D. Jones except for a deceased or legally incapa Creek	bstitute statement app amily Name or Surname)	/148,177 filed on lies: US	05/06/2016		
Mailing Address (except for a deceased or legally incapacitated inventor): 100 North Riverside Plaza						
Chicago State IL Zip 60606 Country US						
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application. The above-identified application was made or authorized to be made by me. I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.						
Le	ip to the inventor to whom this substitutegal Representative (for deceased or lessignee, erson to whom the inventor is under an erson who otherwise shows a sufficient and find inventor.	egally incepacitated inventi nobligation to assign,		FR 1.46 is required), or		

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This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 36 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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SUBSTITUTE STATEMENT

*************************************	************	***************************************		***************	
Circumstances permitting execution of this sul	ostitute siatem	erit:			
Inventor is deceased.					
Inventor is under legal incapacity,					
Inventor cannot be found or reached	after diligent e	effort, or			
Inventor has refused to execute the o	oath or declara	itiori under 37 CF	R 1.63.		
If there are joint inventors, please check the appropriate box below:					
An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted.					
OR .					
An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).					
	WAR	NING:		***************************************	***************************************
Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card, authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not, publicly available.					
PERSON EXECUTING THIS SUBSTITUTE STATEMENT:					
Name: Eric K. Satermo Date (Optional):					
Signature: UNI SWAWW					
APPLICANT NAME AND TITLE OF PERSON	·····	~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Σ:	·····
If the applicant is a juristic entity, list the applica		ne little of the sigi	1 6 6°		
The Boeing Company Applicant Name					
Title of Person Executing Assistant Sec This Substitute Statement:	retary	***************************************		***************************************	
The signer, whose title is supplied above, is authorized to act on behalf of the applicant.					
Residence of the signer (unless provided in	an applicatio	n data sheet, P	O/AIA/14 or eq	uivaler	nt):
City IRVING	State	CA	Country	u.	S. A.
Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)					
100 North Riverside Plaza					
_{city} Chicago	State		_{zip} 6060	6	Country
Note: Use an additional PTO/AIA/02 form for as after diligent effort, or has refused to execute the				ated, ca	annot be found or reached

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Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2), (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
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- A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
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RECORDED: 10/31/2018

PATENT REEL: 047376 FRAME: 0545