504445086 07/06/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4491787

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
MARK STEWART WILENSKI	06/09/2017
SAMUEL F. HARRISON	06/28/2017
NICK SHADBEH EVANS	06/09/2017
FARAÓN TORRES	06/09/2017

### RECEIVING PARTY DATA

Name:	THE BOEING COMPANY		
Street Address:	100 NORTH RIVERSIDE PLAZA		
City:	CHICAGO		
State/Country:	ILLINOIS		
Postal Code:	60606-2016		

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15642787

# CORRESPONDENCE DATA

Fax Number: (503)224-7329

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: 503-224-7529

Email: boeing@dascenzoiplaw.com

**Correspondent Name:** DASCENZO INTELLECTUAL PROPERTY LAW, P.C.

Address Line 1: 1000 SW BROADWAY, SUITE 1555

Address Line 4: PORTLAND, OREGON 97205

ATTORNEY DOCKET NUMBER:	16-1095-US-NP-2 BNG3J9-2			
NAME OF SUBMITTER:	IAN D. GATES			
SIGNATURE:	/lan D. Gates/			
DATE SIGNED:	07/06/2017			

### **Total Attachments: 4**

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**PATENT** REEL: 042923 FRAME: 0760 504445086

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PATENT REEL: 042923 FRAME: 0761

	ASS	SIGNMENT	
Washington, Nick Shadbeh Evans, reside (hereinafter "Assignors") have invented	ling at Lynnwood d certain new an atent application mors are making n has been dul	y executed by Assignors concurrently	ng at Everett, Washingtor (hereinafter "Invention"; ODS FOR ADDITIVE ERS PATENT OF THE
WHEREAS, The Boeing Company, a having a place of business at 100 North Riverside Plaza, Chicago, Illinois 60606 right, title and interest in and to the Inforeign countries, and in and to any Unit	Riverside Plaza, 6 5-1596, USA (her vention within the	einafter called "the Assignee"), is desire e United States of America and its terri	iling address of 100 North ous of acquiring the entire torial possessions and all
NOW, THEREFORE, for good and variance assigned, sold and transferred, and do a title and interest in and to the Invention countries, and in and to any LETTER inventor's certificates and like government application identified above and provisional, divisional, reissue, continual patent or LETTERS PATENT identified patent or LETTERS PATENT identified full benefit of such priorities as may not international convention, for the protect United States LETTERS PATENT to the United States of America. Assigned successors or assigns to the full end of the same would have been held and enjour and authorize the Commissioner of the patent offices, to issue the respective I accordance with this assignment.	ssign, sell and tra within the Unite S PATENT of the tent grants that me I applications for tion, continuation d herein, including d herein, and the tow or hereafter be tion of industrial e various territorice will hold all right the term for which yed by Assignors to U.S. Patent and	d States of America and its territorial pose United States and foreign countries, asy be granted for any and all portions to patent filed for the Invention in all finin-part applications and extensions of any all applications claiming the priority right to apply for LETTERS PATENT e granted to Assignors by local laws or property, together with the right to extal possessions now owned or which may this for its own use and benefit and for the LETTERS PATENT may be grante if this assignment and sale had not been Trademark Office, and foreign counter	I assigns, the entire right, ossessions and all foreign including utility models, thereof, and in and to the foreign countries and all any of the applications for y of said applications for in foreign countries with by treaty, including any end the protection of the be hereafter acquired by the use and benefit of its d, as fully and entirely as made. Assignors request treatt officials of foreign
Assignors further covenant and agree wi which title Assignors warrant to the Ass consideration therefor, at the request and acknowledgment of instruments, that a reexamining United States and foreign perfecting the Assignee's right to the lopposition and litigation.	ignee. Assignors I expense of the a may be or becor LETTERS PA	further agree that Assignors will, without Assignee, do all lawful and just acts, income necessary for obtaining, sustaining, FENT or the like for the Invention, a	ut demanding any further cluding the execution and extending, reissuing or and for maintaining and
Assignors authorize and direct any of t Assignee to insert the application numbe	he attorneys resp r and filing date o	onsible for prosecuting the subject app f the subject application in the first parag	lication on behalf of the graph of this Assignment.
IN TESTIMONY WHEREOF, I/We hav	e signed this Assi 6 <u>/</u> 9/2017		
MARK STEWART WILENSKI	Date	SAMUEL F. HARRISON	Date
NICK SHADBEH EVANS	Date	FARAÓN TORRES	Date

Page 1 of 1 - ASSIGNMENT

16-1095-US-NP[2] (BNG 3J9[2])

#### ASSIGNMENT

WHEREAS, Mark Stewart Wilenski, residing at Mercer Island, Washington, Samuel F. Harrison, residing at Bothell,
Washington, Nick Shadbeh Evans, residing at Lynnwood, Washington, and Faraón Torres, residing at Everett, Washington
(hereinafter "Assignors") have invented certain new and useful inventions and improvements (hereinafter "Invention")
described in the United States patent application entitled SYSTEMS AND METHODS FOR ADDITIVE
MANUFACTURING 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 North Riverside Plaza, Chicago, Illinois 60606-1596, with a mailing address of 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, Assignors have assigned, sold and transferred, and do 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 the 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.

Assignors authorize and direct 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/We have signed this Assignment on the date specified below.

		Sul	6-28-17
MARK STEWART WILENSKI	Date	SAMUEL F. HARRISON	Date
		A CONTRACTOR OF THE PARTY OF TH	
NICK SHADBEH EVANS	Date	FARAÓN TORRES	Date

#### **ASSIGNMENT**

WHEREAS, Mark Stewart Wilenski, residing at Merce	er Island, Washington, Samuel F. Harrison, residing at Bothell,
Washington, Nick Shadbeh Evans, residing at Lynnwood	, Washington, and Faraon Torres, residing at Everett, Washington
(hereinafter "Assignors") have invented certain new an	d useful inventions and improvements (hereinafter "Invention")
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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignors have assigned, sold and transferred, and do 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 the 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.

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

MARK STEWART WILENSKI	Date	SAMUEL F. HARRISON	Date
Mil am	10/9/12		
NICK SHADBEH EVANS	Date	FARAÓN TORRES	Date

Page 1 of 1 - ASSIGNMENT

16-1095-US-NP[2] (BNG 3J9[2])

REEL: 042923 FRAME: 0764

#### ASSIGNMENT

WHEREAS, Mark Stewart Wilenski, residing at Mercer Island, Washington, Co., 170, 77
WHEREAS, Mark Stewart Wilenski, residing at Mercer Island, Washington, Samuel F. Harrison, residing at Bothell, (hereinafter "Assignors") have invented certain new and weeful invented the same and second to be supported to the same and second to be supported to the same and second to be supported to the same and second
(hereinafter "Assignors") have invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application and improvements (hereinafter "Invention")
described in the United States patent application antitled System (hereinafter "Invention")
described in the United States patent application entitled SYSTEMS AND METHODS FOR ADDITIVE
MANUFACTURING for which Assignors are making or have made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly apparent to the control of t
UNITED STATES, which application has been duly executed by Assignors concurrently herewith; or filed onas 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, with a mailing address of 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, Assignors have assigned, sold and transferred, and do 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 the respective LETTERS PATENT in the United States and foreign countries when granted, in accordance with this assignment.

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NICK SHADBEH EVANS	Date	FARAÓN TORRES	6/9/17 /Date

Page 1 of 1 - ASSIGNMENT

16-1095-US-NP[2] (BNG 3J9[2])

PATENT REEL: 042923 FRAME: 0765

**RECORDED: 07/06/2017**