PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
TYLER EDWARD KURTZ	03/26/2018
RILEY HARRISON HANSONSMITH	03/26/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15939127

CORRESPONDENCE DATA

Fax Number: (503)224-7329

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

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ATTORNEY DOCKET NUMBER:	17-1651-US-NP (BNG3N1)	
NAME OF SUBMITTER:	IAN D. GATES	
SIGNATURE:	/lan D. Gates/	
DATE SIGNED:	03/28/2018	

Total Attachments: 2

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PATENT 504842441 REEL: 045379 FRAME: 0590

ASSIGNMENT

WHEREAS, Tyler Edward Kurtz, residing at Summerville, South Carolina, and Riley Harrison HansonSmith, residing	t a
Bothell, Washington (hereinafter "Assignors") have invented certain new and useful inventions and improveme	nts
(hereinafter "Invention") described in the United States patent application entitled MACHINE VISION AND ROBOT	IC
INSTALLATION SYSTEMS AND METHODS for which Assignors are making or have made application for LETTEI	RS
PATENT OF THE UNITED STATES, which application has been duly executed by Assignors concurrently herewith;	OI
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.

TYLER EDWARD KURTZ

RILEY HARRISON HANSONSMITH

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ASSIGNMENT
WHEREAS, Tyler Edward Kurtz, residing at Summerville, South Carolina, and Riley Harrison HansonSmith, residing a Bothell, Washington (hereinafter "Assignors") have invented certain new and useful inventions and improvement (hereinafter "Invention") described in the United States patent application entitled MACHINE VISION AND ROBOTIC INSTALLATION SYSTEMS AND METHODS 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; of 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 Nort Riverside Plaza, Chicago, Illinois 60606-1596, USA (hereinafter called "the Assignee"), is desirous of acquiring the entiring right, title and interest in and to the Invention within the United States of America and its territorial possessions and a 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 a 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 an 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 at the same would have been held and enjoyed by Assignors if this assignment and sale had not been made. Assignors requested and authorize the Commissioner of the U.S. Patent and Trademark Office, and foreign countries when granted, it 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 an acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing reexamining United States and foreign LETTERS PATENT or the like for the Invention, and for maintaining an perfecting the Assignee's right to the Invention and LETTERS PATENT particularly in cases of interference conflict opposition and litigation.
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TYLER EDWARD KURTZ Date RILEY HARRISON HANSONSMITH Date

17-1651-US-NP (BNG 3N1)

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