502128583 11/14/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Theodore Bruce Thompson	11/12/2012
Jeffrey L. Williams	11/12/2012
Catherine Marie Barnes	11/13/2012
Steven Curtis Spackman	11/13/2012
Alexander Korolev	11/12/2012

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:	13676588

CORRESPONDENCE DATA

Fax Number: 3146122307

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 314-621-5070

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Correspondent Name: Patent Docket Department
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Address Line 2: 7700 Forsyth Blvd., Suite 1800
Address Line 4: St. Louis, MISSOURI 63105

ATTORNEY DOCKET NUMBER:	12-1295-US-NP (24691-587)

NAME OF SUBMITTER: Robert B. Reeser

PATENT

REEL: 029296 FRAME: 0499

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Total Attachments: 5

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PATENT REEL: 029296 FRAME: 0500

Attorney Docket No.

12-1295-US-NP (24691-587)

	12-1293-05-111 (2-0.	71-301)
WHEREAS, Theodore Bruce Thompson, residing Parker, CO, Catherine Marie Barnes, residing at CO, Alexander Korolev, residing at Aurora, CO useful inventions and improvements (hereinafter entitled SYSTEMS AND METHODS FOR DISwhich Assignor is making or has made application has been duly executed by Assignor as Application No.	t Franktown, CO, Steven Curtis Spackman, resp., (hereinafter "Assignor"), has/have invented of "Invention") described in the United States paragraph of IN-FLIGHT NAVIGATION PROpartion for LETTERS PATENT OF THE UNITES Signor Concurrently herewith; or I filed on _	iding at Aurora, crtain new and tent application CEDURES for IED STATES,
WHEREAS, The Boeing Company, a corporation US, having a place of business at 100 North Rivers of P.O. Box 2515 MC 110-SD54 Seal Beach, desirous of acquiring the entire right, title and inte and its territorial possessions and all foreign copattent that may be granted therefore;	side Plaza, Chicago, Illinois 60606-2016, with a r CA 90740-2515, USA (hereinafter called "the erest in and to the Invention within the United St	mailing address e Assignee"), is ates of America
NOW, THEREFORE, for good and valuable Assignor has assigned, sold and transferred, and cassigns, the entire right, title and interest in and territorial possessions and all foreign countries, a foreign countries, including utility models, inventorany and all portions thereof, and in and to the pater the Invention in all foreign countries and all prapplications and extensions of any of the applicational applications claiming the priority of said applicating to apply for LETTERS PATENT in foreign hereafter be granted to Assignor by local laws protection of industrial property, together with the PATENT to the various territorial possessions now of America. Assignee will hold all rights for its corresponding to the full end of the term for which the same would have been held and enjoyed Assignor requests and authorizes the Commiss counterpart officials of foreign patent offices, and foreign countries when granted, in accordance	does assign, sell and transfer to the Assignee, its d to the Invention within the United States of and in and to any LETTERS PATENT of the Units certificates and like government grants that mant application identified above and applications for rovisional, divisional, reissue, continuation, comons for patent or LETTERS PATENT identified attions for patent or LETTERS PATENT identified attions for patent or LETTERS PATENT identified attions for patent or LETTERS PATENT identifies or by treaty, including any international content right to extend the protection of the United States wowned or which may be hereafter acquired by the countries and benefit and for the use and benefit the LETTERS PATENT may be granted, as fully by Assignor if this assignment and sale had sioner of the U.S. Patent and Trademark Offit to issue respective LETTERS PATENT in the with this assignment. Assignee that Assignor has a full and unencumbers.	s successors and America and its nited States and ay be granted for r patent filed for tinuation-in-partnerein, including d herein, and the as may now or vention, for the tates LETTERS he United States of its successors and entirely as not been made ce, and foreign e United States bered title to the
Invention, which title Assignor warrants to the demanding any further consideration therefore, at acts, including the execution and acknowledg obtaining, sustaining, extending, reissuing or reex for the Invention, and for maintaining and perfecting particularly in cases of interference conflict, opportunity	Assignee. Assignor further agrees that Assign the request and expense of the Assignee, do all gment of instruments, that may be or become amining United States and foreign LETTERS PAg the Assignee's right to the Invention and LET	or will, without lawful and just a necessary for TENT or the like
IN TESTIMONY WHEREOF, I/We have signed the	is Assignment on the date specified below.	
Theodore Bruce Hompson Nav 12, Theodore Bruce Thompson DATE	2012 Jeffrey L. Williams	DATE
•		
Catherine Marie Barnes DATE	Steven Curtis Spackman	DATE

1 of 1

DATE

Alexander Korolev

Attorney Docket No.

12-1295-US-NP (24691-587)

	12-12/3-08-11 (240/1-307)			
WHEREAS, Theodore Bruce Thompson, residing at Highlands Ranch, CO, Jeffrey L. Williams, residing at Parker, CO, Catherine Marie Barnes, residing at Franktown, CO, Steven Curtis Spackman, residing at Aurora, CO, Alexander Korolev, residing at Aurora, CO, (hereinafter "Assignor"), has/have invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled SYSTEMS AND METHODS FOR DISPLAYING IN-FLIGHT NAVIGATION PROCEDURES 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				
US, having a place of business at 100 North Rive of P.O. Box 2515 MC 110-SD54 Seal Beach, desirous of acquiring the entire right, title and in	n organized and existing under the laws of the State of Delaware, rside Plaza, Chicago, Illinois 60606-2016, with a mailing address CA 90740-2515, USA (hereinafter called "the Assignee"), is terest in and to the Invention within the United States of America ountries, and in and to any United States or foreign LETTERS			
Assignor has assigned, sold and transferred, and assigns, the entire right, title and interest in an territorial possessions and all foreign countries, foreign countries, including utility models, inventany and all portions thereof, and in and to the pate the Invention in all foreign countries and all papplications and extensions of any of the applicat all applications claiming the priority of said application to apply for LETTERS PATENT in foreign thereafter be granted to Assignor by local laws protection of industrial property, together with the PATENT to the various territorial possessions not of America. Assignee will hold all rights for its or assigns to the full end of the term for which the same would have been held and enjoyed Assignor requests and authorizes the Commis	consideration, the receipt of which is hereby acknowledged, does assign, sell and transfer to the Assignee, its successors and d to the Invention within the United States of America and its and in and to any LETTERS PATENT of the United States and or's certificates and like government grants that may be granted for an application identified above and applications for patent filed for provisional, divisional, reissue, continuation, continuation-in-part ions for patent or LETTERS PATENT identified herein, including cations for patent or LETTERS PATENT identified herein, and the gen countries with full benefit of such priorities as may now or so or by treaty, including any international convention, for the the right to extend the protection of the United States LETTERS wowned or which may be hereafter acquired by the United States own use and benefit and for the use and benefit of its successors the LETTERS PATENT may be granted, as fully and entirely as by Assignor if this assignment and sale had not been made. Sioner of the U.S. Patent and Trademark Office, and foreign to issue respective LETTERS PATENT in the United States neewith this assignment.			
Invention, which title Assignor warrants to the demanding any further consideration therefore, a acts, including the execution and acknowled obtaining, sustaining, extending, reissuing or rees	Assignee that Assignor has a full and unencumbered title to the Assignee. Assignor further agrees that Assignor will, without the request and expense of the Assignee, do all lawful and just gment of instruments, that may be or become necessary for tamining United States and foreign LETTERS PATENT or the like g the Assignee's right to the Invention and LETTERS PATENT position and litigation.			
IN TESTIMONY WHEREOF, I/We have signed the	nis Assignment on the date specified below.			
Theodore Bruce Thompson DATE	Jeffyey L. Williams DATE			
Catherine Marie Barnes DATE	Steven Curtis Spackman DATE			

1 of 1

DATE

Alexander Korolev

Attorney Docket No.

12-1295-US-NP (24691-587)

WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, US, having a place of business at 100 North Riverside Plaza, Chicago, Illinois 60606-2016, with a mailing address of P.O. Box 2515 MC 110-SD54 Seal Beach, CA 90740-2515, 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 therefore;

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, 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 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 Invention, which title Assignor warrants to the Assignee. Assignor further agrees that Assignor will, without demanding any further consideration therefore, 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.

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

Theodore Bruce Thompson	DATE	Jeffrey L. Williams	DATE
Catherine Marie Barnes	5 //3/,2 DATE	Steven Curtis Spackman	DATE
Alexander Korolev	DATE		

ASSIGNMENT	Attorney Docket No.
	12-1295-US-NP (24691-587)

WHEREAS, Theodore Bruce Thompson, residing at Highlands Ranch, CO, Jeffrey L. Williams, residing at Parker, CO, Catherine Marie Barnes, residing at Franktown, CO, Steven Curtis Spackman, residing at Aurora, CO, Alexander Korolev, residing at Aurora, CO, (hereinafter "Assignor"), has/have invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled SYSTEMS AND METHODS FOR DISPLAYING IN-FLIGHT NAVIGATION PROCEDURES 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, US, having a place of business at 100 North Riverside Plaza, Chicago, Illinois 60606-2016, with a mailing address of P.O. Box 2515 MC 110-SD54 Seal Beach, CA 90740-2515, 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 therefore;

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, 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 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 Invention, which title Assignor warrants to the Assignee. Assignor further agrees that Assignor will, without demanding any further consideration therefore, 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.

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

Theodore Bruce Thompson	DATE	Jeffrey L. Williams	DATE
		Show Custis Som	13 NOVZUR
Catherine Marie Barnes	DATE	Steven Curtis Spackman	DATE
Alexander Korolev	DATE		

Attorney Docket No.

12-1295-US-NP (24691-587)

	12-1293-US-NF (24091-367)
WHEREAS, Theodore Bruce Thompson, residing at Highlan Parker, CO, Catherine Marie Barnes, residing at Franktown, CO, Alexander Korolev, residing at Aurora, CO, (hereinafter useful inventions and improvements (hereinafter "Invention") entitled SYSTEMS AND METHODS FOR DISPLAYING I which Assignor is making or has made application for LET which application has been duly executed by Assignor as Application No	CO, Steven Curtis Spackman "Assignor"), has/have inverdescribed in the United Stat N-FLIGHT NAVIGATION TTERS PATENT OF THE	n, residing at Aurora, atted certain new and es patent application PROCEDURES for UNITED STATES,
WHEREAS, The Boeing Company, a corporation organized and US, having a place of business at 100 North Riverside Plaza, Chi of P.O. Box 2515 MC 110-SD54 Seal Beach, CA 90740-2 desirous of acquiring the entire right, title and interest in and to and its territorial possessions and all foreign countries, and i PATENT that may be granted therefore;	icago, Illinois 60606-2016, w 515, USA (hereinafter calle the Invention within the Unit	ith a mailing address d "the Assignee"), is ted States of America
NOW, THEREFORE, for good and valuable consideration, Assignor has assigned, sold and transferred, and does assign, se assigns, the entire right, title and interest in and to the Inventerritorial possessions and all foreign countries, and in and to a foreign countries, including utility models, inventor's certificates any and all portions thereof, and in and to the patent application in the Invention in all foreign countries and all provisional, divapplications and extensions of any of the applications for patential applications claiming the priority of said applications for patential to apply for LETTERS PATENT in foreign countries whereafter be granted to Assignor by local laws or by treaty, protection of industrial property, together with the right to externational property. The the various territorial possessions now owned or who famerica. Assignee will hold all rights for its own use and be or assigns to the full end of the term for which the LETTERS In the same would have been held and enjoyed by Assignor Assignor requests and authorizes the Commissioner of the Counterpart officials of foreign patent offices, to issue respectant foreign countries when granted, in accordance with this assigned to the counterpart officials of foreign patent offices, to issue respectant of the counterpart officials of the granted, in accordance with this assigner counterpart officials of foreign patent offices, to issue respectant of the counterpart of the counterpart of the counterpart of the granted in accordance with this assigner.	ell and transfer to the Assignation within the United States any LETTERS PATENT of the and like government grants the dentified above and application is isonal, reissue, continuation for LETTERS PATENT identified to reference to the transfer of the Letter of the United Including any international and the protection of the United Including and the use and be patent and for the use and be patent and for the use and be patent in the sassignment and sale U.S. Patent and Trademark ective LETTERS PATENT	see, its successors and its of America and its he United States and lat may be granted for ons for patent filed for continuation-in-part fied herein, including ntified herein, and the rities as may now or convention, for the ted States LETTERS I by the United States nefit of its successors fully and entirely as had not been made. Office, and foreign
Assignor further covenants and agrees with the Assignee that a Invention, which title Assignor warrants to the Assignee. Assignant demanding any further consideration therefore, at the request an acts, including the execution and acknowledgment of instrobtaining, sustaining, extending, reissuing or reexamining Unite for the Invention, and for maintaining and perfecting the Assignee's particularly in cases of interference conflict, opposition and li	signor further agrees that A d expense of the Assignee, d ruments, that may be or b d States and foreign LETTER s right to the Invention and	ssignor will, without o all lawful and just ecome necessary for S PATENT or the like
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Theodore Bruce Thompson DATE Je	ffrey L. Williams	DATE
Catherine Marie Barnes DATE Ste	even Curtis Spackman	DATE

1 of 1

DATE

Alexander Korolev