

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4381935

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN D. GRIFFITH	04/21/2017
STEVEN M. SHEWCHUK	04/21/2017
GEORGE E. BIBLE	04/21/2017
STEVEN J. PLUMMER	04/24/2017
RYAN M. TRELLA	04/21/2017
RONALD J. BYINGTON	04/21/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE BOEING COMPANY
<b>Street Address:</b>	100 NORTH RIVERSIDE PLAZA
<b>City:</b>	CHICAGO
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60606
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15495454
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(216)395-0115
<i>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.</i>	
<b>Phone:</b>	216 785 0044
<b>Email:</b>	victor@wwiplaw.com
<b>Correspondent Name:</b>	VICTOR J. WASYLYNA
<b>Address Line 1:</b>	WALTERS & WASYLYNA LLC
<b>Address Line 2:</b>	8193 AVERY ROAD, SUITE 101
<b>Address Line 4:</b>	CLEVELAND, OHIO 44147
<b>ATTORNEY DOCKET NUMBER:</b>	16-2255-US-NP
<b>NAME OF SUBMITTER:</b>	VICTOR J. WASYLYNA
<b>SIGNATURE:</b>	/victor j wasylyna/
<b>DATE SIGNED:</b>	04/24/2017

**Total Attachments: 4**

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ASSIGNMENT

WHEREAS, John M. Griffith of Wildwood, Missouri, George E. Bible of \_\_\_\_\_, \_\_\_\_\_, Ryan M. Trella of \_\_\_\_\_, \_\_\_\_\_, Steven M. Shewchuk of St. Louis, Missouri, Steven J. Plummer of Bothell, Washington, and Ronald J. Byington of \_\_\_\_\_, \_\_\_\_\_, (hereinafter "Assignors") have invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled APPARATUS AND METHOD FOR EMULATING TEMPERATURE DURING A THERMAL CURE CYCLE 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. \_\_\_\_\_;

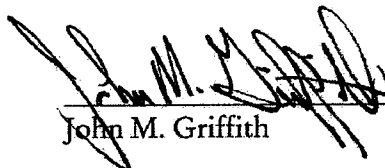
WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, USA, having a place of business at 100 North Riverside Plaza, Chicago, Illinois 60606-1596, USA (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to 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 hereby assign, sell and transfer to the Assignee, its successors and assigns, Assignors' 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 Assignors' interest in 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, if necessary, the application number and filing date of the subject application in the first paragraph of this Assignment.

IN TESTIMONY WHEREOF, we have signed this Assignment on the date specified below.

 _____ John M. Griffith	<u>4/21/17</u> _____ Date	_____ Steven M. Shewchuk	_____ Date
_____ George E. Bible	_____ Date	_____ Steven J. Plummer	_____ Date
_____ Ryan M. Trella	_____ Date	_____ Ronald J. Byington	_____ Date

## ASSIGNMENT

WHEREAS, John M. Griffith of \_\_\_\_\_, \_\_\_\_\_, George E. Bible of Chesterfield Missouri, Ryan M. Trella of University City, Missouri, Steven M. Shewchuk of St. Louis, Missouri, Steven J. Plummer of Bothell, Washington, and Ronald J. Byington of O'Fallon, Missouri, (hereinafter "Assignors") have invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled APPARATUS AND METHOD FOR EMULATING TEMPERATURE DURING A THERMAL CURE CYCLE 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. \_\_\_\_\_;

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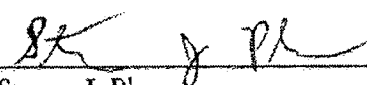
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignors have assigned, sold and transferred, and do hereby assign, sell and transfer to the Assignee, its successors and assigns, Assignors' entire right, title and interest in and to the Invention within 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.


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<u>John M. Griffith</u>	Date	<u></u>	Date
		Steven M. Shewchuk	4-21-17

<u>George E. Bible</u>	Date	<u></u>	Date
George E. Bible	4-21-17	Steven J. Plummer	4/24/17

<u>Ryan M. Trella</u>	Date	<u></u>	Date
Ryan M. Trella	4/21/2017	Ronald J. Byington	4/21/2017