PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY DATA					
Name Execution Date					
ERIK DAVID SAPPER				03/05/2014	
ANDREW M. ZWEIG				03/05/2014	
RECEIVING PARTY DATA					
Name:	THE BOEING C	THE BOEING COMPANY			
Street Address:	100 NORTH RIVERSIDE PLAZA				
City:	CHICAGO				
State/Country:	ILLINOIS				
Postal Code:	60606-2016				
PROPERTY NUMBERS Total: 1					
Property Ty	pe		Number		
Application Number: 142013		142013	344		
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ATTORNEY DOCKET NUMBER:			BNG 361		
NAME OF SUBMITTER:			IAN D. GATES		
Signature:		/lan D. Gates/			
Date:			03/07/2014		
Total Attachments: 2 source=13-1297-ASSNCVR-BNG361_3-7-14#page1.tif source=13-1297-ASSN-BNG361_3-7-14#page1.tif					

Form **PTO-1595** (Rev. 03-11) OMB No. 0651-0027 (exp. 03/31/2012)

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1. Name of conveying party(ies)	2. Name and address of receiving party(ies)			
	Name:			
Erik David Sapper and Andrew M. Zweig	Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>March 5, 2014; March 5, 2014</u> Assignment Merger Security Agreement Change of Name Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other 4. Application or patent number(s): This A. Patent Application No.(s)	Street Address: 100 North Riverside Plaza City: CHICAGO State: ILLINOIS Country: USA Zip:60606-2016 Additional name(s) & address(es) attached? Yes X No document is being filed together with a new application.			
Additional numbers attached? Yes XNo 5. Name and address to whom correspondence 6. Total number of applications and patents				
concerning document should be mailed:	involved: <u>1</u>			
Name: IAN D. GATES	7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>0</u>			
Internal Address: DASCENZO INTELLECTUAL PROPERTYLAW, P.CStreet Address: 1000 SW BROADWAY, SUITE 1555	 Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 			
City: PORTLAND	8. Payment Information			
State: <u>OREGON</u> Zip: <u>97205</u>				
Phone Number: 503-224-7529				
Fax Number: <u>503-224-7329</u>	Deposit Account Number			
Email Address:	Authorized User Name			
9. Signature: March 7, 2014				
Signature Date				
IAN D. GATES Name of Person Signing	Total number of pages including cover			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

> PATENT REEL: 032382 FRAME: 0050

ASSIGNMENT

WHEREAS, Erik David Sapper, residing at Everett, Washington, and Andrew M. Zweig, residing at Bainbridge Island, 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 PASSIVE DEICING 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 N. Riverside Plaza, Chicago, Illinois 60606-2016, with a mailing address of P.O. Box 2515, Mail Code: 110-SD54, Seal Beach, CA 90740, 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.

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

ERIK DAVID SAPPER

Maken 5, 2014 (Inches M. Rovie) Date ANDREW M. ZWEIG) March 5,2014 Date

Atty. Docket No. - BNG 361

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RECORDED: 03/07/2014