PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT M. MURPHY	02/02/2015

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	14611649				

CORRESPONDENCE DATA

Fax Number: (408)228-3739

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: 510-900-9501

Email: docket@kwanip.com

Correspondent Name: KWAN & OLYNICK LLP

Address Line 1: 2000 HEARST AVENUE, SUITE 305
Address Line 4: BERKELEY, CALIFORNIA 94709

ATTORNEY DOCKET NUMBER:	14-1727_BNGCP052US
NAME OF SUBMITTER:	AMBER LUNDY
SIGNATURE:	/Amber Lundy/
DATE SIGNED:	02/02/2015

Total Attachments: 1

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PATENT 503161469 REEL: 034866 FRAME: 0322

ASSIGNMENT Docket No.: 14-1727_BNGCP052US

WHE	REAS,	Robert	M. Mo	rphy, res	iding at E	verett,	WA; (here	inafter "	Assignor'	') have inven	ted certain new a	ind
usefti	Linventi	ons and	l impro	vements	(hereinafi	ter "Inv	ention") de	escribed	in the Uni	ited States pa	tent application	
entitle	ed HAL	F SYS	CEMT	ORQUE	BRAKE	S, for s	which Assi	gnors ar	e making	or have made	application for	
LETI	ERS PA	ATENT	OF TE	IE UNIT	ED STAT	CES, wh	tich applies	ation has	been dul	y executed by	/ Assignor	
concu	icrently	herewit	h; or fil	ed on		3	s Applicat	tion 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, Chicago, Illinois 60606-1596, with a mailing address of 2201 Seal Beach Boulevard, Mailcode 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 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.

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.

Robert M. Murphy / Dat

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RECORDED: 02/02/2015