PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2791554

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANTHONY D. STRAW	03/24/2014
MARK J. HOLTHAUS	03/24/2014
STEVEN J. HOESER	03/24/2014

RECEIVING PARTY DATA

Name:	THE BOEING COMPANY	
Street Address:	100 N. RIVERSIDE PLAZA	
City:	CHICAGO	
State/Country:	ILLINOIS	
Postal Code:	60606-2016	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14229823

CORRESPONDENCE DATA

Fax Number: (949)361-3064

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 949-466-3860

Email: soneill@novatechip.com
Correspondent Name: NOVATECH IP LAW

Address Line 1: 1001 AVE. PICO, SUITE C500

Address Line 4: SAN CLEMENTE, CALIFORNIA 92673

ATTORNEY DOCKET NUMBER:	14-0044-US-NP	
NAME OF SUBMITTER:	KARIN E. PETERKA	
SIGNATURE:	/Karin E. Peterka/	
DATE SIGNED:	03/28/2014	

Total Attachments: 4

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PATENT 502744958 REEL: 032555 FRAME: 0692

ASSIGNMENT

WHEREAS.

Anthony D. Straw, residing at 13 Windchime, Aliso Viejo, CA 92656, Mark J. Holthaus, residing at 6890 East Lees Way, Long Beach, CA 90815, and Steven J. Hoeser, residing at 5970 Burnside Landing Dr., Burke, VA 22015.

(hereinafter collectively referred to as "Assignor"), have invented certain new and useful improvements in PREMIXED LIQUID PROPELLANT PROPULSION SYSTEM AND METHOD WITH ANTI-FLASHBACK QUENCHING LIQUID INJECTOR (hereinafter referred to as the "Invention"), for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor.

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 N. Riverside Plaza, Chicago, Illinois 60606-2016, USA (hereinafter referred to as "Assignee"), is desirous of acquiring the entire right, title and interest in and to the Invention and in and to any United States or foreign LETTERS PATENT that may be granted therefor in the United States of America and its territorial possessions and in any and all foreign countries.

NOW, THEREFORE,

in consideration of the sum of one dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignor does hereby assign, sell and transfer to Assignee the entire right, title and interest in and to the Invention in the United States of America and its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all LETTERS PATENT that may be granted therefor in the United States and its territorial possessions and in any and all foreign countries, and to any and all utility models, inventor's certificates and like government grants, divisions, reissues, continuations, continuation-in-part applications, substitutions and renewals thereof, and extensions of any of the applications that may be granted therefor, 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 Patents and Trademarks, United States of America and its foreign counterparts, to issue the LETTERS PATENT when granted, in accordance with this assignment.

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PATENT REEL: 032555 FRAME: 0693 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 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.

Anthony D. Straw	24 March 2014 Date
Mark J. Holthaus	Date
Steven J. Hoeser	Date

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 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.

Anthony D. Straw	Date
Mark J. Holdhaus	03/24/2014 Date
Steven J. Hoeser	Date

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 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.

Anthony D. Straw	Date
Mark J. Holthaus	Date
Steven J. Hoeser	29 Mar 2014

Date