# 505150792 10/19/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5197559

Application Number:16165752CORRESPONDENCE DATAFax Number:(713)623-4846Correspondence will be sent to the e-mail addreausing a fax number, if provided; if that is unsuccePhone:713-623-4844Email:psdocketing@patterseCorrespondent Name:PATTERSON & SIAddress Line 1:24 GREENWAY P	· · · · · · · · · · · · · · · · · · ·	10/1 10/1	<b>cution Date</b> 1/2018 1/2018 2/2018
Name   ANTHONY PANG   JULIE XIE   ELEAZAR P. LONTOC   RECEIVING PARTY DATA   Name: THE BOEING COMPANY   Street Address: 100 NORTH RIVERSIDE   City: CHICAGO   State/Country: ILLINOIS   Postal Code: 60606-1596   PROPERTY NUMBERS Total: 1   Property Type Nu   Application Number: 16165752   CORRESPONDENCE DATA   Fax Number: (713)623-4846   Correspondence will be sent to the e-mail addre using a fax number, if provided; if that is unsucce   Phone: 713-623-4844   Email: psdocketing@patter   mprzybyl@patters mprzybyl@patters   Address Line 1: 24 GREENWAY P	PLAZA	10/1 10/1	1/2018 1/2018
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	LAZA, SUITE 1600		
Address Line 4: HOUSTON, TEXA	5 77046		
ATTORNEY DOCKET NUMBER: 18-1805-US	-NP		
NAME OF SUBMITTER: MICHAEL S	. PRZYBYL		
SIGNATURE: /Michael S. I			
<b>DATE SIGNED:</b> 10/19/2018			

#### ASSIGNMENT

WHEREAS, Anthony PANG, residing in Culver City, CA; Julie XIE, residing in Redondo Beach, CA; and Eleazar P. LONTOC, residing in Irvine, CA, (hereinafter "Assignors") have invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled CONTAMINATION LIMITER FOR REDUCING OUTGASSED VOLATILE CONDENSABLE MATERIALS FROM EXTERNAL SENSITIVE OPTICAL AND THERMAL SURFACES OF A SPACECRAFT 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 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, its 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

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## PATENT REEL: 047238 FRAME: 0159

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 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.

Anthony PANG

JUIK XIE

Eleazar P. LONTOC

10/11/2018

Date

10/11/2018

Date

Date

## PATENT REEL: 047238 FRAME: 0160