

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Robert Cumberland</td> <td>08/22/2006</td> </tr> <tr> <td>William B. Barvosa-Carter</td> <td>08/17/2006</td> </tr> <tr> <td>Adam F. Gross</td> <td>08/17/2006</td> </tr> </tbody> </table>		Name	Execution Date	Robert Cumberland	08/22/2006	William B. Barvosa-Carter	08/17/2006	Adam F. Gross	08/17/2006		
Name	Execution Date										
Robert Cumberland	08/22/2006										
William B. Barvosa-Carter	08/17/2006										
Adam F. Gross	08/17/2006										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>The Boeing Company</td> </tr> <tr> <td>Street Address:</td> <td>100 N. Riverside Plaza</td> </tr> <tr> <td>City:</td> <td>Chicago</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>60606</td> </tr> </table>		Name:	The Boeing Company	Street Address:	100 N. Riverside Plaza	City:	Chicago	State/Country:	ILLINOIS	Postal Code:	60606
Name:	The Boeing Company										
Street Address:	100 N. Riverside Plaza										
City:	Chicago										
State/Country:	ILLINOIS										
Postal Code:	60606										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12705782</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12705782						
Property Type	Number										
Application Number:	12705782										
CORRESPONDENCE DATA											
<p>Fax Number: 3125809696 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 312-580-1020 Email: cpahnke@hfzlaw.com Correspondent Name: Chad A. Pahnke Address Line 1: 150 S Wacker Drive Address Line 2: Suite 2100 Address Line 4: Chicago, ILLINOIS 60606</p>											
ATTORNEY DOCKET NUMBER:	06-0113A										
NAME OF SUBMITTER:	Chad A. Pahnke										
Signature:	/Chad A. Pahnke/										
Date:	07/24/2013										
<p>Total Attachments: 1 source=06-0113A_Assignment_x#page1.tif</p>											

OP \$40.00 12705782

ASSIGNMENT

Docket No.: 024.0145 (06-0113)

WHEREAS, Robert Cumberland, residing at 3550 Cross Creek Lane, Malibu, CA 90265; William B. Barvosa-Carter, residing at 1157 Poli Street, Ventura, CA 93001; and Adam F. Gross, residing at 11908 Dorothy Street, No. 114, Los Angeles, CA 90049; (hereinafter "Assignor") has invented certain new and useful improvements in TUNABLE VARIABLE EMISSIVITY MATERIALS AND METHODS FOR CONTROLLING THE TEMPERATURE OF SPACECRAFT USING TUNABLE VARIABLE EMISSIVITY MATERIALS (hereinafter "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 on date(s) listed below.

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, Chicago, Illinois 60606-1596, with a mailing address of M/C 1640-2101, 15460 Laguna Canyon Road, Irvine, California 92618, US, (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 any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THEREFORE, for good and valuable considerations, the receipt which is hereby acknowledged, Assignor has assigned, sold and transferred, and does assign, sell and transfer to the Assignee 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, and all divisions, reissues, continuations and extensions thereof 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, US and its foreign counterparts, to issue the LETTERS PATENT when granted, in accordance with this assignment.

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 have signed this Assignment on the date specified below.

[Signature] 8/22/06 Robert Cumberland (date) [Signature] 8/17/06 William B. Barvosa-Carter (date)
[Signature] 8/17/06 Adam F. Gross (date)

PATENT