

PATENT ASSIGNMENT

Electronic Version v1.1
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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>LIJUN GAO</td><td>12/04/2009</td></tr><tr><td>SHENGYI LIU</td><td>12/07/2009</td></tr><tr><td>CHIN-HSI CHIEN</td><td>12/07/2009</td></tr></tbody></table>	Name	Execution Date	LIJUN GAO	12/04/2009	SHENGYI LIU	12/07/2009	CHIN-HSI CHIEN	12/07/2009			
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<table border="1"><tr><td>Name:</td><td>THE BOEING COMPANY</td></tr><tr><td>Street Address:</td><td>100 N. RIVERSIDE</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>60606-1596</td></tr></table>	Name:	THE BOEING COMPANY	Street Address:	100 N. RIVERSIDE	City:	CHICAGO	State/Country:	ILLINOIS	Postal Code:	60606-1596	
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: (480)947-2663 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 480-994-8888											
Email: JMOY@WEISSIPLAW.COM											
Correspondent Name: THE BOEING COMPANY c/o WEISS & MOY, P.C.											
Address Line 1: 4204 N. BROWN AVE.											
Address Line 4: SCOTTSDALE, ARIZONA 85251											
ATTORNEY DOCKET NUMBER:	09-0661										
NAME OF SUBMITTER:	JEFFREY D. MOY										
Total Attachments: 2 source=Boeing_09-0661_ASGN#page1.tif source=Boeing_09-0661_ASGN#page2.tif											

OP \$40.00 12632250

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PATENT
REEL: 023615 FRAME: 0478

ASSIGNMENT

DOCKET NO.: 09-0661

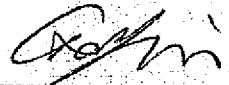
WHEREAS, Lijun Gao residing at Renton, WA, Shengyi Liu residing at Sammamish, WA and Chin-Hsi Chien residing at Bellevue, WA (hereinafter "Assignor") has invented certain new and useful inventions and improvements (hereinafter "Inventions") described in the United States patent application entitled "THERMOELECTRIC GENERATOR ON AN AIRCRAFT BLEED SYSTEM" for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor—concurrently herewith.

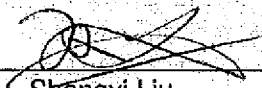
WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, USA, having a place of business at 100 N. Riverside, Chicago, Illinois 60606-1596, with a mailing address of M/C 1640-2101, 15460 Laguna Canyon Road, Irvine, California 92618, USA (hereinafter called "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 therefore;

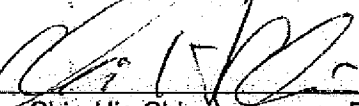
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has assigned, sold and transferred, and does assign, sell and transfer to the Assignee, its successors and assigns, the entire right, title and interest in and to the Invention within the United 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-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 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 of which the LETTERS PATENT may be granted, as fully or 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.

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 Inventions, 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, We have signed this Assignment on the date specified below.


Lijun Gao Date 12/04/2009


Shengyi Liu Date 12/07/09


Chin-His Chien Date 12/07/2009