

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAZHONG GU	10/24/2014
DARIUSZ CZARKOWSKI	10/28/2014
FRANCISCO DE LEON	10/28/2014
KAMIAR J. KARIMI	10/23/2014
EUGENE V. SOLODOVNIK	10/23/2014
SHENGYI LIU	10/21/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE BOEING COMPANY
<b>Street Address:</b>	100 NORTH RIVERSIDE PLAZA
<b>City:</b>	CHICAGO
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60606-1596
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16222144
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<b>ATTORNEY DOCKET NUMBER:</b>	14-0394-US-CNT
<b>NAME OF SUBMITTER:</b>	AVA H. BILLIMORIA
<b>SIGNATURE:</b>	/Ava H. Billimoria/
<b>DATE SIGNED:</b>	12/17/2018

**Total Attachments: 4**

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**ASSIGNMENT AND OATH/DECLARATION**

Docket No. 14-0394-US-CNT

**WHEREAS**, Dazhong Gu, residing at Elmhurst, New York; Dariusz Czarkowski, residing at S. Setauket, New York; Francisco de Leon, residing at Ridgewood, New Jersey; Kamiar J. Karimi, residing at Kirkland, Washington; Eugene V. Solodovnik, residing at Lake Stevens, Washington; and Shengyi Liu, residing at Sammamish, Washington (hereinafter "Assignor") has invented certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled **PROGRAMMABLE ALTERNATING CURRENT (AC) LOAD HAVING REGENERATIVE AND DISSIPATIVE MODES** 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; or filed on October 30, 2014 as Application No. 14/528,474;

and declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

and hereby acknowledge that:

Any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application and am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Sec. 1.56.

**AND 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 5301 Bolsa Avenue, Huntington Beach, California, 92647, 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, Assignor has assigned, sold and transferred, and does 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 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.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the Assignor's interest in 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.

Assignor authorizes and directs 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 final paragraph of this assignment.

IN TESTIMONY WHEREOF, I have signed this Assignment on the date specified below.

Dazhong Gu  
Dazhong Gu (Oct 24, 2014)  
\_\_\_\_\_  
Dazhong Gu Date

Dazhong Gu  
Printed/typed Name of Above Inventor

D Gu 10/28/14  
\_\_\_\_\_  
Dariusz Czarkowski Date

Dariusz Czarkowski  
Printed/typed Name of Above Inventor

Francisco de Leon 10/28/2014  
\_\_\_\_\_  
Francisco de Leon Date

Francisco de Leon  
Printed/typed Name of Above Inventor

\_\_\_\_\_  
Kamiar J. Karimi Date

Kamiar J. Karimi  
Printed/typed Name of Above Inventor

\_\_\_\_\_  
Eugene V. Solodovnik Date

Eugene V. Solodovnik  
Printed/typed Name of Above Inventor



