

# PATENT ASSIGNMENT

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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>
Matthew J. Krolak	11/10/2011
Lijun Gao	11/10/2011
Shengyi Liu	11/10/2011
<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>
Application Number:	13294597
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(404)815-1700
<b>Phone:</b>	404-815-1900
<b>Email:</b>	docketing@hbhlawfirm.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	Hope Baldauff Hartman, LLC
<b>Address Line 1:</b>	1720 Peachtree Street, N.W.
<b>Address Line 2:</b>	Suite 1010
<b>Address Line 4:</b>	Atlanta, GEORGIA 30309
<b>ATTORNEY DOCKET NUMBER:</b>	11-0671/60055.0151US01
<b>NAME OF SUBMITTER:</b>	Karl H. Koster
<b>Total Attachments: 1</b> source=11-0671 Executed Assignment#page1.tif	

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**PATENT**  
**REEL: 027220 FRAME: 0323**

# ASSIGNMENT

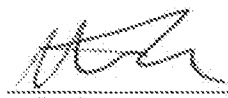
WHEREAS, Matthew J. Krolak, residing at 2132 NE 27th St., Renton, Washington 98056, USA, Lijun Gao, residing at 19346 114th Place SE, Renton, Washington 98055, USA, and Shengyi Liu, residing at 1914 263rd CT, S.E., Sammamish, Washington 98075, USA; (hereinafter "Assignor") has invented certain new and useful improvements in "INTEGRATED CONTROL ARCHITECTURE AND METHOD FOR A BI-DIRECTIONAL AC-TO-AC CONVERTER" (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.

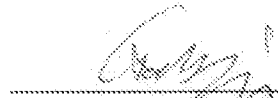
WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, US, having a place of business at 100 N. Riverside Plaza, Chicago, Illinois 60606-1596, with a mailing address of P.O. Box 2515, M/C 110-SD54, Seal Beach, California 90740, USA," (hereinafter called "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 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.

  
Matthew J. Krolak 11/10/2011  
(date)

  
Lijun Gao 11/10/2011  
(date)

  
Shengyi Liu 11/10/11  
(date)

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