

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Douglas A. Frisch</td> <td>11/29/2007</td> </tr> <tr> <td>Marc J. Piehl</td> <td>11/29/2007</td> </tr> <tr> <td>Douglas L. Grose</td> <td>11/29/2007</td> </tr> <tr> <td>Joseph L. Sweetin</td> <td>11/29/2007</td> </tr> <tr> <td>Michael R. Chapman</td> <td>11/28/2007</td> </tr> </tbody> </table>		Name	Execution Date	Douglas A. Frisch	11/29/2007	Marc J. Piehl	11/29/2007	Douglas L. Grose	11/29/2007	Joseph L. Sweetin	11/29/2007	Michael R. Chapman	11/28/2007
Name	Execution Date												
Douglas A. Frisch	11/29/2007												
Marc J. Piehl	11/29/2007												
Douglas L. Grose	11/29/2007												
Joseph L. Sweetin	11/29/2007												
Michael R. Chapman	11/28/2007												
<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">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>IL</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:	IL	Postal Code:	60606-1596		
Name:	The Boeing Company												
Street Address:	100 N. Riverside												
City:	Chicago												
State/Country:	IL												
Postal Code:	60606-1596												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12728720</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12728720								
Property Type	Number												
Application Number:	12728720												
<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (509)944-4692</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 509-324-9256</p> <p>Email: Lynne@leehayes.com</p> <p>Correspondent Name: Lee &amp; Hayes, PLLC</p> <p>Address Line 1: 601 W. Riverside Ave, Suite 1400</p> <p>Address Line 4: Spokane, WASHINGTON 99201</p>													
ATTORNEY DOCKET NUMBER:	BO1-0456USC1												
NAME OF SUBMITTER:	Lynne Mahan												

OP \$40.00 12728720

**501126060**

**PATENT**  
**REEL: 024116 FRAME: 0886**

Total Attachments: 4

source=LR4116#page1.tif

source=LR4116#page2.tif

source=LR4116#page3.tif

source=LR4116#page4.tif

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Frisch et al. Attorney Docket No. BO1-0456US  
Serial No.: 11/948,042 Group Art Unit: Pending  
Filing Date: November 30, 2007 Examiner: Pending  
Title: DOUBLE SHEAR JOINT FOR BONDING IN STRUCTURAL APPLICATIONS

**ASSIGNMENT**

**WHEREAS**, Douglas A. Frisch residing at Renton, WA, Marc J. Piehl residing at Renton, WA, Douglas L. Grose residing at Auburn, WA, Joseph L. Sweetin residing at Lake Forest Park, WA, and Michael R. Chapman residing at Federal Way, WA, (hereinafter "Assignors") have invented certain new and useful improvements in DOUBLE SHEAR JOINT FOR BONDING IN STRUCTURAL APPLICATIONS (hereinafter "invention") for which Assignors are making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignors on the date(s) listed below, and which patent application will initially be filed without this patent assignment. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Lee & Hayes, PLLC, 421 W. Riverside Avenue, Suite 500, Spokane, Washington 99201, who are associated with customer number 60483, to insert in the caption above the serial number and filing date of the patent application when known.

**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 P.O. Box 2515, MC 110-SD54, Seal Beach, California 90740-1515, 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, Assignors have assigned, sold and transferred, and do 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 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

60483  
CUSTOMER NUMBER

- 1 -

lee@hayes plc 509-324-9258

BO1-0456US Assignment

**PATENT**  
**REEL: 024116 FRAME: 0888**

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 Patents and Trademarks, US and its foreign counterparts, to issue the LETTERS PATENT 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 invention, which title Assignors warrant to 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.

IN TESTIMONY WHEREOF, Assignors have signed this Assignment on the date(s) specified below.

11/29/2007  
Date

Douglas A. Frisch  
Douglas A. Frisch

11/29/2007  
Date

Marc J. Pehl  
Marc J. Pehl

\_\_\_\_\_  
Date

\_\_\_\_\_  
Douglas L. Grose

11/29/07  
Date

Joseph L. Sweetin  
Joseph L. Sweetin

\_\_\_\_\_  
Date

\_\_\_\_\_  
Michael R. Chapman

60483

CUSTOMER NUMBER

- 2 -

lee@hayes pk 503-324-9236

BO1-0456US Assignment

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 Patents and Trademarks, US and its foreign counterparts, to issue the LETTERS PATENT 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 invention, which title Assignors warrant to 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.

IN TESTIMONY WHEREOF, Assignors have signed this Assignment on the date(s) specified below.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Douglas A. Frisch

\_\_\_\_\_  
Date

\_\_\_\_\_  
Marc J. Piehl

11-29-2007  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Douglas L. Grose

\_\_\_\_\_  
Date

\_\_\_\_\_  
Joseph L. Sweetin

\_\_\_\_\_  
Date

\_\_\_\_\_  
Michael R. Chapman

60483

CUSTOMER NUMBER

- 2 -

BOI-0456US Assignment

lee@hayes plc 509-324-9255

PATENT  
REEL: 024116 FRAME: 0890

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 Patents and Trademarks, US and its foreign counterparts, to issue the LETTERS PATENT 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 invention, which title Assignors warrant to 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.

IN TESTIMONY WHEREOF, Assignors have signed this Assignment on the date(s) specified below.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Douglas A. Frisch

\_\_\_\_\_  
Marc J. Piehl

\_\_\_\_\_  
Douglas L. Grose

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

11/28/2007

\_\_\_\_\_  
Joseph L. Sweetin

M. Chapman  
Michael R. Chapman

60483

CUSTOMER NUMBER

RECORDED: 03/22/2010

- 2 -

lee@hayes.plc 509-324-9256

PATENT

REEL: 024116 FRAME: 0891