

## 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"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yuya TANAKA</td> <td>03/25/2013</td> </tr> <tr> <td>Hideyuki SUZUKI</td> <td>03/25/2013</td> </tr> <tr> <td>Yutaka KANAYAMA</td> <td>03/25/2013</td> </tr> <tr> <td>Kazuki SATO</td> <td>03/25/2013</td> </tr> <tr> <td>Masatake HATANO</td> <td>03/25/2013</td> </tr> <tr> <td>Satoru SAITO</td> <td>03/25/2013</td> </tr> <tr> <td>Akihisa WATANABE</td> <td>03/25/2013</td> </tr> <tr> <td>Ryo ABE</td> <td>03/25/2013</td> </tr> </tbody> </table> |  | Name          | Execution Date                    | Yuya TANAKA         | 03/25/2013                      | Hideyuki SUZUKI | 03/25/2013 | Yutaka KANAYAMA | 03/25/2013 | Kazuki SATO  | 03/25/2013 | Masatake HATANO | 03/25/2013 | Satoru SAITO | 03/25/2013 | Akihisa WATANABE | 03/25/2013 | Ryo ABE | 03/25/2013 |
| Name   | Execution Date                         |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Yuya TANAKA  | 03/25/2013                             |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Hideyuki SUZUKI  | 03/25/2013                             |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Yutaka KANAYAMA  | 03/25/2013                             |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Kazuki SATO  | 03/25/2013                             |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Masatake HATANO  | 03/25/2013                             |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Satoru SAITO   | 03/25/2013                             |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Akihisa WATANABE   | 03/25/2013                             |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Ryo ABE  | 03/25/2013                             |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| <b>RECEIVING PARTY DATA</b>  |  |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| <table border="1"> <tr> <td>Name:</td> <td>MITSUBISHI HEAVY INDUSTRIES, LTD.</td> </tr> <tr> <td>Street Address:</td> <td>16-5, Konan 2-chome, Minato-ku,</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>108-8215</td> </tr> </table>  |  | Name:         | MITSUBISHI HEAVY INDUSTRIES, LTD. | Street Address:     | 16-5, Konan 2-chome, Minato-ku, | City:           | Tokyo      | State/Country:  | JAPAN      | Postal Code: | 108-8215   |                 |            |              |            |                  |            |         |            |
| Name:  | MITSUBISHI HEAVY INDUSTRIES, LTD.      |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Street Address:  | 16-5, Konan 2-chome, Minato-ku,        |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| City:  | Tokyo                                  |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| State/Country:   | JAPAN                                  |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Postal Code:   | 108-8215                               |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| <b>PROPERTY NUMBERS Total: 1</b>   |  |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13881590</td> </tr> </tbody> </table>  |  | Property Type | Number                            | Application Number: | 13881590                        |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Property Type  | Number                                 |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Application Number:  | 13881590                               |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| <b>CORRESPONDENCE DATA</b>   |  |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Fax Number:  | 2027218250                             |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>   |  |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Phone:   | 202-721-8200                           |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Email:   | wlp@wenderoth.com                      |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Correspondent Name:  | Wenderoth, Lind & Ponack, L.L.P.       |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Address Line 1:  | 1030 15th Street, N.W.                 |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Address Line 2:  | Suite 400 East                         |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |
| Address Line 4:  | Washington, DISTRICT OF COLUMBIA 20005 |               |                                   |                     |                                 |                 |            |                 |            |              |            |                 |            |              |            |                  |            |         |            |

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| ATTORNEY DOCKET NUMBER:  | 2013_0603A   |
| NAME OF SUBMITTER:   | Kelly Fore   |
| Signature:   | /Kelly Fore/ |
| Date:  | 04/25/2013   |
| Total Attachments: 2<br>source=ASSIGNMENT#page1.tif<br>source=ASSIGNMENT#page2.tif |              |

# ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s)  
of Inventor(s)

Yuya TANAKA, Hideyuki SUZUKI, Yutaka KANAYAMA, Kazuki SATO,  
Masatake HATANO, Satoru SAITO, Akihisa WATANABE, Ryo ABE,

the undersigned hereby sell(s) and assign(s) to

Insert Name(s)  
of Assignee(s)  
Address

MITSUBISHI HEAVY INDUSTRIES, LTD.  
of 16-5, Konan 2-chome, Minato-ku, Tokyo 108-8215 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of  
Invention

COMPOSITE MATERIAL STRUCTURE, AND AIRCRAFT WING AND  
AIRCRAFT FUSELAGE PROVIDED THEREWITH  
for which an application for patent in the United States has been executed by the undersigned

Date of  
Signing  
of Application

on \_\_\_\_\_

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date MAR. 25, 2013, Name of the Inventor *Yuya Tanaka*  
Yuya TANAKA

Date MAR. 25, 2013, Name of the Inventor *Hideyuki Suzuki*  
Hideyuki SUZUKI

Date MAR. 25, 2013, Name of the Inventor *Yutaka Kanayama*  
Yutaka KANAYAMA

Date MAR. 25, 2013, Name of the Inventor *Kazuki Sato*  
Kazuki SATO

Date MAR. 25, 2013, Name of the Inventor *Masatake Hatano*  
Masatake HATANO

Date MAR. 25, 2013, Name of the Inventor *Satoru Saito*  
Satoru SAITO

Date MAR. 25, 2013, Name of the Inventor *Akihisa Watanabe*  
Akihisa WATANABE

Date MAR. 25, 2013, Name of the Inventor *Ryo Abe*  
Ryo ABE

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness *Akira Shirai*

Witness *Masashi Ikeda*

**ACKNOWLEDGMENT**

\_\_\_\_\_  
\_\_\_\_\_ } ss

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the above-named me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

\_\_\_\_\_  
Official Signature

\_\_\_\_\_  
Official Title

SEAL

The above application may be more particularly identified as follows:

U.S. Application Serial No. \_\_\_\_\_ Filing Date \_\_\_\_\_

Applicant Reference Number 2011-702 Atty Docket No. \_\_\_\_\_

Title of Invention \_\_\_\_\_