

## PATENT ASSIGNMENT COVER SHEET

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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>               |
| MOON JIN JEON                                                                                                                                                                                   | 11/26/2015                          |
| SANG ROK LEE                                                                                                                                                                                    | 11/26/2015                          |
| HUI KYUNG KIM                                                                                                                                                                                   | 11/26/2015                          |
| EUNG HYUN KIM                                                                                                                                                                                   | 11/26/2015                          |
| SEONG BIN LIM                                                                                                                                                                                   | 11/26/2015                          |
| SEOK WEON CHOI                                                                                                                                                                                  | 11/26/2015                          |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                     |
| <b>Name:</b>                                                                                                                                                                                    | KOREA AEROSPACE RESEARCH INSTITUTE  |
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| <b>City:</b>                                                                                                                                                                                    | DAEJEON                             |
| <b>State/Country:</b>                                                                                                                                                                           | KOREA, REPUBLIC OF                  |
| <b>Postal Code:</b>                                                                                                                                                                             | 34133                               |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                     |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                       |
| Application Number:                                                                                                                                                                             | 14955514                            |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                     |
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| <b>Correspondent Name:</b>                                                                                                                                                                      | CHRISTOPHER W. RAIMUND              |
| <b>Address Line 1:</b>                                                                                                                                                                          | 1401 EYE STREET                     |
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| <b>Address Line 4:</b>                                                                                                                                                                          | WASHINGTON, D.C. 20005              |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 26031/107773                        |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | CHRISTOPHER W. RAIMUND              |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Christopher W. Raimund/            |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 12/01/2015                          |

**Total Attachments: 2**

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MORRIS, MANNING & MARTIN, LLP

**ASSIGNMENT OF AN  
APPLICATION**

ATTORNEY DOCKET NO.

**26031/107773**

FIRST NAMED INVENTOR

**Moon Jin JEON**

U.S. APPLICATION SERIAL NO. (if known)

**14/955,514**

WHEREAS, I/we,

|                |               |                            |
|----------------|---------------|----------------------------|
| Moon Jin JEON  | , residing in | Daejeon, Republic of Korea |
| Sang Rok LEE   | , residing in | Daejeon, Republic of Korea |
| Hui Kyung KIM  | , residing in | Daejeon, Republic of Korea |
| Eung Hyun KIM  | , residing in | Daejeon, Republic of Korea |
| Seong Bin LIM  | , residing in | Daejeon, Republic of Korea |
| Seok Weon CHOI | , residing in | Daejeon, Republic of Korea |

made certain new and useful inventions and improvements for which I/we filed an application for

Letters Patent of the United States on December 1, 2015,

U.S. Application Serial Number 14/955,514,

which is entitled:

**APPARATUS AND METHOD FOR CONTROLLING A SATELLITE**

*(Title of the Invention)*

AND WHEREAS Korea Aerospace Research Institute, a corporation having an office and place of business at 169-84, Gwahak-ro, Yuseong-gu, Daejeon 34133, Republic of Korea (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

**PATENT**

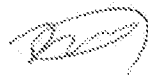
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AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

The undersigned hereby grant(s) the firm Morris, Manning & Martin, LLP the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

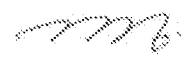
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(Signature of Moon Jin JEON)

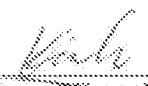
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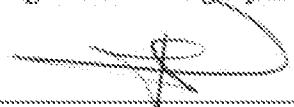
2015. 11. 26  
DATE

  
(Signature of Hui Kyung KIM)

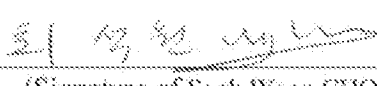
2015. 11. 26  
DATE

  
(Signature of Eung Hyun KIM)

2015. 11. 26  
DATE

  
(Signature of Seong Bin LIM)

2015. 11. 26  
DATE

  
(Signature of Seok Weon CHOI)