

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Byoungsam Woo</td> <td>11/16/2012</td> </tr> <tr> <td>Farid Ganji</td> <td>11/14/2012</td> </tr> <tr> <td>John Hutton Cooper</td> <td>11/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Byoungsam Woo	11/16/2012	Farid Ganji	11/14/2012	John Hutton Cooper	11/14/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Space Systems/Loral, LLC</td> </tr> <tr> <td>Street Address:</td> <td>3825 Fabian Way</td> </tr> <tr> <td>City:</td> <td>Palo Alto</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94303-4604</td> </tr> </table>		Name:	Space Systems/Loral, LLC	Street Address:	3825 Fabian Way	City:	Palo Alto	State/Country:	CALIFORNIA	Postal Code:	94303-4604
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CORRESPONDENCE DATA											
Fax Number: 5106630920 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 5106631100 Email: nazadimani@wavsip.com Correspondent Name: Weaver Austin Villeneuve & Sampson LLP Address Line 1: 555 12th Street, Suite 1700 Address Line 4: Oakland, CALIFORNIA 94607											
ATTORNEY DOCKET NUMBER:	LORLP222										
NAME OF SUBMITTER:	Michael L. Day										
Total Attachments: 2 source=LORLP222_Signed_Assignment#page1.tif source=LORLP222_Signed_Assignment#page2.tif											

CH \$40.00 13683887

PATENT

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned named inventor, possess the right, title and interest for and in the Invention(s) as set forth in the patent application entitled: Spacecraft Momentum Unload and Station-keeping Techniques (Atty. Docket No. LORLP222), and

(1) for which I have executed a U.S. patent application;

AND/OR

(2) the same having been filed on (November 21, 2012) as Application No. (13/683,887);

OR

(3) which is a U.S. Provisional Patent Application filed on () as Application No. ();

in connection with which I hereby authorize and request the assignee's attorneys associated with Customer Number 22434 to insert within the foregoing parentheses the filing date and/or Application No. of said application when known.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned named inventor, hereby:

1) Sell, assign and transfer to **Space Systems/Loral LLC** a Delaware limited liability company having a place of business at 3825 Fabian Way, Palo Alto, CA 94303-4604 ("ASSIGNEE"), the entire right, title and interest in the above-referenced application including any and all improvements and inventions disclosed therein, and in applications based upon, and patents (including foreign patents and the right to claim priority) granted upon, the above-referenced application.

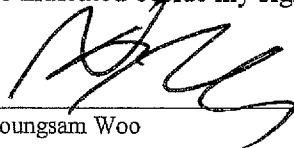
2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.

3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.

4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the named inventor, as well as the named inventor's heirs, legal representatives and assigns.

5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated beside my signature.

1) Signature: 
Typed Name: Byoungsam Woo

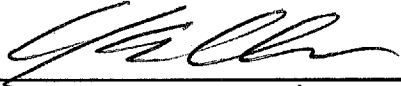
Date: 11/16/2012

2) Signature:  Date: 11/14/2012
Typed Name: David Ganji

2) Signature:  Date: 11/14/2012
Typed Name: John Hutton Cooper

RECEIVED AND HEREBY ACCEPTED BY ASSIGNEE:

Date: 11/16/2012


Name: Peter Chu
Title: IP Manager