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U.S. Department of Commerce
Patent and Trademark Office

102362383

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): H. Grant Wang, Richard Fowell</p> <p style="text-align: center; font-size: 1.2em;">01.30.03</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): Name: <u>THE BOEING COMPANY</u></p> <p>Internal Address: <u>P.O. BOX 3707, M/S 13-08</u></p> <p>Street Address: _____</p> <p>City: <u>Seattle</u> State: <u>WA</u> Zip: <u>98124-2207</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>12/6/2001</u></p>	

1046 U.S. PTO
10/356032
01/30/03

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: 12/06/2001

<p>A. Patent Application No.(s)</p>	<p>B. Patent No.(s) <u>10356032</u></p>
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Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Richard S. Koppel</u></p> <p>Internal Address: <u>Koppel, Jacobs, Patrick & Heybl</u></p> <p>Street Address: <u>555 St. Charles Drive, Suite 107</u></p> <p>City: <u>Thousand Oaks</u> State: <u>CA</u> Zip: <u>91360</u></p>	<p>6. Total number of applications and patents involved: <input type="text" value="1"/></p> <p>7. Total fee (37 CFR 3.41).....\$ <u>40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account.</p> <p>8. Deposit account number: <u>11-1580</u></p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional filing fees which may be required or credit any overpayment to Deposit Account No. 11-1580</p>
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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Richard S. Koppel

Richard S. Koppel
Signature

11/30/03
Date

Total number of pages including cover sheet, attachments, and document:

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02/04/2003 HLE333 00000007 10356032
02 FC:8021 40.00 0P

PATENT
REEL: 013726 FRAME: 0791

ASSIGNMENT

We, Grant Wang and Richard Fowell, residing respectively at 2019 South Salto Drive, Hacienda Heights, California 91745 and 4604 Rockbluff Drive, Rolling Hills Estates, California, 90274, represent that we have invented a new and useful "SPACECRAFT METHODS AND STRUCTURES FOR ENHANCED SERVICE-ATTITUDE ACCURACY" for which we have executed an application for Letters Patent of the United States of America on the same day as our execution of this Assignment.

THE BOEING COMPANY is a corporation organized and existing under the laws of the State of Delaware, has a principal place of business at Seattle, King County, Washington, with a mailing address of Post Office Box 3707, M/S 13-08, Seattle, Washington 98124-2207, and desires to acquire the entire right, title, and interest in and to the invention, application, and letters patent to be granted and issued thereon.

For valuable consideration, the receipt and legal sufficiency of all of which we acknowledge, we have sold and do hereby sell, assign, transfer, and set over unto THE BOEING COMPANY, its successors and assigns, the entire right, title, and interest in and to the invention and all improvements thereon, in and to the application for letters patent thereon, in and to applications pertaining to or based upon the invention and application, including divisional and continuing applications and continuations-in-part, and in and to any and all letters patent which may be granted and issued on the invention and applications, or any of them, in the United States of America, its territories and possessions, and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

We also agree that we will, at the request of THE BOEING COMPANY, execute any and all applications for letters patent for the invention, execute any and all other papers and documents and do all other and further lawful acts that THE BOEING COMPANY may deem necessary or desirable to obtain letters patent on the invention, to secure the grant of such letters patent and to protect and vest in THE BOEING COMPANY the undivided interests in the right, title and interest in the invention, applications and letters patent.

We also authorize and empower THE BOEING COMPANY, its successors and assigns to apply for and obtain, in its or their own names, letters patent for the invention before competent International Authorities and in any and all countries foreign to the United States in which applications for letters patent can be so made or letters patent so obtained.

Signed at El Segundo, California, Dec. 6, 2001

Richard A. Fowell
Richard Fowell

[Signature]
Grant Wang

WITNESS Tim Haunes

WITNESS [Signature]

PATENT