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100972 U.S. PTO 09/931205 08/16/01

1. Name of conveying party(ies): Andrew E. Turner John L. Watkins Cornelius J. Westerhoff Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: Space Systems/Loral, Inc. Address: 3825 Fabian Way City: Palo Alto State: CA ZIP Code: 94303 Country: Usa Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:		Execution Date:	
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: <u>8/15/2001</u> A. Patent Application No.(s): B. Patent No.(s): <u>09/931205</u> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Janik Marcovici Address: Perman & Green, LLP 425 Post Road City: Fairfield State: CT ZIP Code: 06430-6232		6. Total number of applications and/or patents involved: ..... 1 7. Total fee (37 CFR 3.41): .....\$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Charge deposit account <input checked="" type="checkbox"/> Please charge any fee deficiency to deposit account	
		8. Deposit account number: <u>16-1350</u>	
DO NOT USE THIS SPACE			
9. Statement And Signature: <p style="text-align: center;"><i>To the best of my knowledge and belief, the foregoing information is true and correct and, the attached document is either an original document or a true copy of the original document.</i></p> <div style="display: flex; justify-content: space-between;"> <div> <p><u>Janik Marcovici</u> Name of Person Signing</p> </div> <div style="text-align: center;"> <p><u>J.W.</u> Signature</p> </div> <div> <p><u>8/16/01</u> Date</p> </div> </div> <p style="text-align: right;">Total number of pages including cover sheet(s): 5 Page 1 of 1.</p>			

For:  U.S. and/or  Foreign Rights  
For:  U.S. Application or  
 U.S. Provisional Application  
For:  U.S. Patent  
For:  PCT Application  
By: Multiple Inventors

**ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNORS (Inventors):**

<i>(type or print name of inventors)</i>	<b>Address</b>	<b>Nationality</b>
Andrew E. Turner	1662 Alison Ave. Mt. View, CA 94040	USA
John L. Watkins	398 Vine Ave. Sunnyvale, CA 94086	USA
Cornelius J. Westerhoff	485 Dewey Blvd. San Francisco, CA 94116	USA

hereby sells, assigns and transfers to  
ASSIGNEE:

Space Systems/Loral, Inc.  
(type or print name of ASSIGNEE)  
USA  
Nationality

3825 Fabian Way  
Address  
Palo Alto, CA 94303

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- the entire right, title and interest
- an undivided \_\_\_\_\_ percent ( \_\_\_\_\_ %) interest  
for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

- and in all foreign countries, including all rights to claim priority  
in and to any and all improvements which are disclosed in the invention entitled:

SPACECRAFT CONSTELLATION FORMATION KEEPING USING INTER-SPACECRAFT DISTANCE MEASUREMENT

(check and complete (a), (b), (c), (d), (e), (f), or (g))

and which is found in

- (a)  U.S. patent application executed on even date herewith
- (b)  U.S. patent application executed on \_\_\_\_\_
- (c)  U.S. provisional application naming the above inventor(s) for the above-entitled invention
  - Express mail label no.: \_\_\_\_\_  
Mailed: \_\_\_\_\_
  - To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.
- (d)  U.S. application no. \_\_\_\_\_ / \_\_\_\_\_ filed on \_\_\_\_\_
- (e)  International application no. PCT \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
filed on \_\_\_\_\_
- (f)  U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_
  - A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(check (g), if foreign application(s) is also being assigned)

- (g)  and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this August 15, 2001  
Date of signing

**WARNING:** The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

\_\_\_\_\_  
(type name of inventor)

\_\_\_\_\_  
Andrew E. Turner

\_\_\_\_\_  
John L. Watkins

\_\_\_\_\_  
Cornelius J. Westerhoff

\_\_\_\_\_  
Signature of INVENTOR

\_\_\_\_\_  
*Andrew E. Turner*  
\_\_\_\_\_  
*John L. Watkins*  
\_\_\_\_\_  
*Cornelius J. Westerhoff*

Notarization or Legalization Page Added.

**NOTE:** No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

(Assignment of Invention—Multiple Inventors [16-3.2]—page 3 of 3)

**NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT**

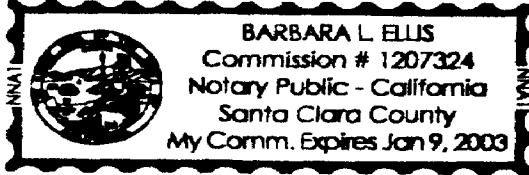
NOTE: Executing this page is not required for assignment, and is only prima facie evidence of execution. 35 USC 261.

Details of Country United States of America  
and place of signing of assignment 3825 Fabian Way  
State of California Palo Alto, CA 94303  
County of Santa Clara \_\_\_\_\_

Before me this 15th day of August 2001, personally appeared the above named individual(s), to me known to be the person(s) who  is  are described in, and who executed the foregoing assignment instrument and acknowledged to me that

- |  |                      |   |
|--|----------------------|---|
| <input type="checkbox"/> he              |                      | <input type="checkbox"/> his              |
| <input type="checkbox"/> she             | executed the same of | <input type="checkbox"/> her              |
| <input checked="" type="checkbox"/> they |                      | <input checked="" type="checkbox"/> their |

own free will for the purpose therein expressed.



Barbara L. Ellis  
Notary Public or Consular Officer of the  
United States of America  
Barbara L. Ellis

(Notarization or Legalization Accompanying Assignment {16-4})