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PATENTS ONLYFORM PTO-1596  
1-31-92

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

DOCKET NO.: 3351-060

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

## 1. Name of conveying party(ies):

Conrad Rose

12/00

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: January 18, 2000

## 2. Name and address of receiving party(ies):

Name: Litton Systems, Inc.

Internal Address:

Street Address: 21240 Burbank BoulevardCity: Woodland Hills State/Country: CA ZIP: 91367Additional name(s) & address(es) attached? ☐ Yes ☒ No
 U.S. PTO  
 09/492155  
 01/27/00

## 4. Application number(s) or patent number(s):

If the document is being filed together with a new application, the execution date of the application is: January 27, 2000

A. Patent Application No(s).

B. Patent No(s).

69492155

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: LOWE HAUPTMAN GOPSTEIN GILMAN & BERNER

Internal Address:

Street Address: 1700 Diagonal Road, Suite 310City: Alexandria State: VA ZIP: 223146. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41)..... \$40.00☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

DO NOT USE THIS SPACE

## 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.*Kenneth M. Berner, Reg. No. 37,093

Name and Registration No. of Person Signing

Kenneth M Berner

Signature

January 27, 2000

Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

02/07/2000 MGORDON 00000034 09492155

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PATENT  
REEL: 010529 FRAME: 0770

ASSIGNMENT

WHEREAS I, Conrad Rose of King George, Virginia, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled METHOD FOR REDUCING GEOMETRICAL DILUTION OF PRECISION IN GEOLOCATION OF EMITTERS USING PHASE CIRCLES,

executed by me on the date of execution of this document, as shown below, and filed concurrently herewith;  
OR

for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. \_\_\_\_\_;

AND WHEREAS, Litton Systems, Inc., a corporation of the State of Delaware and having an address of 21240 Burbank Boulevard, Woodland Hills, California 91367 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto Litton Systems, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND I request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Litton Systems, Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

1/18/00  
Date

Conrad Rose  
Conrad Rose

STATE OF Maryland ) SS:  
COUNTY OF Prince George's

On this 1/18/00 day of January, 2000, before me personally appeared Conrad Rose, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

S E A L

Alexander C. Smith  
Notary Public

My commission expires July 1, 2000