



10-02-2002



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FORM PTO-1596
1-31-92

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

DOCKET NO.: 000032-210 (3395-106)

PATENTS ONLY

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

1. Name of conveying party(ies):

- 1) Gary N. BYRD
2) Timothy C. PHILLIS

Additional name(s) of conveying party(ies) attached?

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☒ Other - *Corrective Assignment - Assignee Name*

Reel 013085, Frame 0670

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

Name: LITTON SYSTEMS, INC.

Street Address: 1840 Century Park East

City: Los Angeles

State or Area: California

Zip/Postal Code: 90067-2199

Country: USA

Execution Date: June 28, 2002

Additional name(s) & address(es) attached?

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:

A. Patent Application No(s).

B. Patent No(s).

10/138,525 filed May 6, 2002

Additional numbers attached?

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

Name:

LOWE HAUPTMAN GILMAN & BERNER (22429)

Internal Address:

Street Address: 1700 Diagonal Road, Suite 310

City: Alexandria State: VA ZIP: 22314

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 3.41)

\$40.00

☒ Credit Card payment form enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: 07-1337

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.***Benjamin J. Hauptman Reg. No. 29,310**

Name and Registration No. of Person Signing

Signature

September 24, 2002

Date

Total number of pages comprising cover sheet: 1

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

09/25/2002 BABRANA1 00000145 10136525

01 FC:581

40.00 DP

Adjustment date: 09/26/2002 AWONDAF1

07/16/2002 BABRANA1 00000119 10138525

01 FC:581

40.00 DP

09/26/2002 AWONDAF1 00000003 10138525

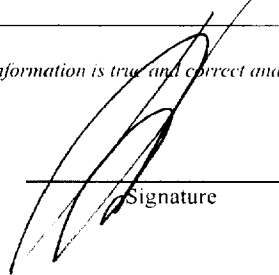
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40.00 DP

PATENT
REEL: 013337 FRAME: 0145



07-18-2002
102/59640

FORM PTO-1596 1-31-92		RECORDATION FORM COVER SHEET		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
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1. Name of conveying party(ies): 1) Gary N. BYRD 2) Timothy C. PHILLIS Additional name(s) of conveying party(ies) attached? 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			2. Name and address of receiving party(ies): Name: NORTHROP GRUMMAN CORPORATION Street Address: 1840 Century Park East City: Los Angeles State or Area: California Zip/Postal Code: 90067-2199 Country: USA		
Execution Date: June 28, 2002			Additional name(s) & address(es) attached?		
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: A. Patent Application No(s). 10/138,525 filed May 6, 2002 B. Patent No(s). Additional numbers attached?					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: LOWE HAUPTMAN GILMAN & BERNER (22429) Internal Address: Street Address: 1700 Diagonal Road, Suite 310 City: Alexandria State: VA ZIP: 22314			6. Total number of applications and patents involved: one 7. Total fee (37 CFR 3.41) \$40.00 <input checked="" type="checkbox"/> Credit Card payment form enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 07-1337		
DO NOT USE THIS SPACE					
9. Statement and signature. <i>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.</i> Benjamin J. Hauptman Reg. No. 29,310 Name and Registration No. of Person Signing  Signature July 15, 2002 Date Total number of pages comprising cover sheet: 1					
CMB No. 0851-0011 (exp. 4/94)					

ASSIGNMENT

WHEREAS WE, Gary N. Byrd and Timothy C. Phillis of Donahue, Iowa and Rock Island, Illinois, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled, PRESSURE SWING ADSORPTION DRIER FOR PNEUMATICALLY DRIVEN PRESSURE INTENSIFIERS, Serial No. 10/138,525, filed May 6, 2002, and executed by us on the date of execution of this document, as shown below, and filed concurrently herewith;

AND WHEREAS, Litton Systems, Inc., a corporation of the State of Delaware and having an address of 1840 Century Park East, Los Angeles, California 90067-2199, 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, We 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, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We 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 chooses 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.

6/28/2002
Date

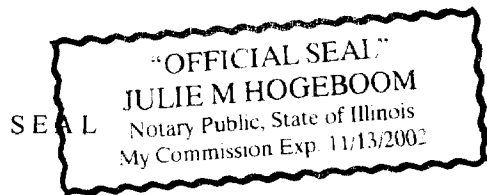
6/28/2002
Date

Gary N. Byrd
Gary N. Byrd

Timothy C. Phillis
Timothy C. Phillis

STATE OF Illinois)
COUNTY OF Rock Island) SS:

On this 28 day of June, 2002, before me personally appeared Gary N. Byrd, 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.



Julie M. Hogeboom
Notary Public

My commission expires 11-13-2002

STATE OF Illinois)
COUNTY OF Rock Island) SS:

On this 28 day of June, 2002, before me personally appeared Timothy C. Phillis, 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.