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Atty Docket: 512539-148

| Form PTO-1595 1-31-92 118000 1000 2010 1000 1000 1000 1000 1  | U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office   |  |
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| To the Honorable Commissioner of Patents and Trademarks: Please record the attached original de             | ocuments or copy thereof.   |  |
| Name of conveying party(ies):<br>ROBERT SPENCER SYMONS  | Name and address of receiving party(ies):   |  |
| Additional name(s) of conveying party(ies) attached? ☐ yes ⊠no  | (2a.) Name: LITTON SYSTEMS, INC. Address: 21240 Burbank Boulevard Woodland Hills, CA 91367-6675 |  |
| 3. Name of Conveyance:  | (2b.) Name  |  |
| Assignment Merger   | Address:  |  |
| Security Agreement Change of Name   |   |  |
| Other   | Additional name(s) & address(es) attached? □yes ⊠no   |  |
| Execution Date_ July 13, 199  |   |  |
| 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: July 13, 1999   |  |
| A. Patent Application No.(s)  | B. Patent No.(s)  |  |
| Additional numbers atta   | ched □ yes •⊠no   |  |
|   |   |  |
| Name and address of party to whom correspondence concerning document should be mailed:                      | 6. Total number of applications and patents involved: one                                       |  |
| Name: Brian M. Berliner .   |   |  |
| Internal Address: O'MELVENY & MYERS LLP   | 7 7-1-16 - (07-050-0-14)  |  |
| Street Address: 400 So. Hope Street   | 7. Total fee (37 CFR 3.41):\$ 40.00   |  |
| City: Los Angeles State: CA ZIP: 90071-2899   | <b>☒</b> Enclosed   |  |
|   | ☐ Authorized to be charged to deposit account   |  |
|   |   |  |
|   | 8. Deposit account number: 50-0639  |  |
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| 9. Statement and signature.   |   |  |
| To the best of my knowledge and belief, the foregoing information is true document.                         | and correct and any attached copy is a true copy of the original                                |  |
| Brian M. Berliner   |   |  |
| Name of Person Signing Signature Date   |   |  |
|   | ber of pages comprising cover sheet, attachments and document: 3                                |  |
| 31 40.00 0p/  |   |  |
| Mail documents to be recorded with required cover sheet information to:  Assistant Commissioner for Patents |   |  |
| Box Assignments Washington, D.C. 20231  |   |  |

## ASSIGNMENT

WHEREAS, ROBERT SPENCER SYMONS, residing at 290 Surrey Place, Los Altos, CA 94022, has made certain new and useful inventions in THERMIONIC ELECTRON EMITTER BASED UPON THE TRIPLE-JUNCTION EFFECT, and has disclosed the same in an application for Letters Patent of the United States therefor, said application having been executed by me as of the date set forth below; and

WHEREAS, LITTON SYSTEMS, INC., a corporation organized and existing under the laws of the State of Delaware, having a place of business at 21240 Burbank Boulevard, Woodland Hills, California 91367-6675 (hereafter called the "Assignee"), is desirous of acquiring the entire interest in all inventions disclosed in said application;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable considerations to me paid by said Assignee, the receipt and sufficiency whereof is hereby acknowledged, I do hereby sell, assign, and transfer unto said Assignee, its successors and assigns, the entire right, title and interest throughout the world in and to all said inventions disclosed in said application; and in and to said application, including all priority rights for other countries arising from said application; and in and to all substitutions, divisions, and con-tinuations thereof; and in and to all Letters Patent, United States and foreign, that may be granted for said inventions; and in and to all extensions, renewals, and reissues thereof.

And I do hereby authorize and request the Commissioner of Patents of the United States and the duly constituted authorities of foreign countries to issue any Letters Patent which may be granted on said inventions, on any applications related thereto, and on any substitute, continuing, divisional, or reissue applications, or any of them, to said Assignee, its successors and assigns, as assignee of the entire right, title and interest therein and thereto.

And for the consideration aforesaid, I do hereby, for me and for my legal representatives, further covenant and agree with said Assignee, its successors and assigns, that I have full and unencumbered title to the inventions and application above described and hereby assigned, which title I warrant unto said Assignee, its successors and assigns; that I have granted to others no license to make, use, or sell said inventions; and that I will not execute any instrument in conflict herewith.

And for the consideration aforesaid, I do hereby, for me and for my legal representatives, further covenant and agree with said Assignee, its successors and assigns, that upon request I will execute substitute, continuing, divisional, or reissue applications, amended specifications, or rightful oaths; communicate to said Assignee, its successors and assigns, any facts known to me relating to said inventions or the history thereof; execute preliminary statements; testify in any interference or other legal proceedings involving said inventions; execute and deliver any application papers,

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assignments, or other instruments, and do all other acts which, in the opinion of counsel for said Assignee, may be necessary or convenient to secure the grant of Letters Patent to said Assignee, its successors and assigns, or its nominees, in the United States and in all other countries where said Assignee may desire to have the said inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for said Assignee, and to vest and confirm and complete legal and equitable title to all such inventions, applications, and Letters Patent, and to enable it to record said title, without further consideration than now paid but at the expense of said Assignee, its successors or assigns.

| SIGNED this /3/4 day of | , 1999.               |
|-------------------------|-----------------------|
| $\mathcal{J}$           | 1 026                 |
|                         |                       |
|                         | Robert Spencer Symons |
|                         | Robert Spencer Symons |
| ;                       | '                     |

UNITED STATES OF AMERICA

| STATE OF Callonia   | )          |
|---------------------|------------|
| COUNTY OF San Mater | ) ss:<br>) |

ROBERT SPENCER SYMONS, personally knewn to me, or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature: Jerrette S. O'Connor

[Seal]

Pierrette S. O'Connor Comm. #1118525
O'Comm. #1118525
NOTARY PUBLIC - CALIFORNIA O'SAN MATEO COUNTY Comm. Exp. Nov. 24, 2000

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