

05-15-2000



101356543

RECORDATION FORM COVER SHEET
PATENTS ONLY

Handwritten: 11-27-00

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New

Resubmission (Non-Recordation)
Document ID#

Correction of PTO Error
Reel # Frame #

Corrective Document
Reel # Frame #

Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other

U.S. Government
(For Use ONLY by U.S. Government Agencies)

Departmental File Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Second Party

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached (Designation must be a separate document from Assignment).

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

FOR OFFICE USE ONLY

05/12/2000 DNGUYEN 00000254 122469 09469427

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Correspondent Name and Address Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments. #

Application Number(s) or Patent Number(s) Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
<input type="text" value="09/469,427"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number PCT PCT

only if a U.S. Application Number PCT PCT PCT

has not been assigned

Number of Properties Enter the total number of properties involved #

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed Deposit Account


Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees: Yes No

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. Charges to deposit account are authorized, as indicated herein.

John H. Lynn  April 24, 2000

Name of Person Signing Signature Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Execution Date
Month Day Year

Name (line 1) ZIMMERMAN, Gregory

12/21/99

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party (ies)

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

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Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

Grid for Patent Application Number(s) with 5 rows and 3 columns of input boxes.

Grid for Patent Number(s) with 5 rows and 3 columns of input boxes.

Attorney Docket No. GCD 99.33

ASSIGNMENT OF INVENTION

Whereas, we the undersigned, Lorrie L. Gampp, residing at 19610 Sherman Way #6, Reseda, Ca 91385, Arthur R. Martinez, residing at 8010 Mason Ave., Canoga Park, CA 91306, and Thomas Flaherty, residing at 27828 Via Amistosa, Agoura Hills, CA 91301 with Gregory Zimmerman, residing at 2243 North 1975 East, Layton, UT 84040 have invented a new and useful invention entitled **REDUCED SURFACE PROPAGATIONS IN INTEGRATED OPTICS** for which we have concurrently herewith executed an application for United States Letters Patent thereon and have filed said application for United States Letters Patent concurrently herewith;

Whereas, we verify believe that we are the original and first inventors of the invention set forth in said application for Letters Patent and represent that we have not conveyed or hypothecated any right or interest therein; and

Whereas, LITTON SYSTEMS, INC., a corporation of the state of Delaware, sometimes hereinafter referred to as "said assignee", having a principal place of business at 21240 Burbank Boulevard, Woodland Hills, CA 91367-6675 is desirous of acquiring the entire and exclusive right, title and interest in and to said invention, any and all patent applications which may be filed thereon, and any and all Letters Patent which may be granted or issued therefor in the United States and throughout the world, including any and all divisions, continuations, reissues and extensions of any of the foregoing;

NOW, THEREFORE, in consideration of obligations voluntarily assumed by us and set forth in an employment agreement entered into between us and said assignee at Woodland Hills, California and for the further consideration of the sum of One Dollar (\$1.00) paid to each of us, receipt of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire and exclusive right, title and interest, in and to said invention, patent applications and Letters Patent which may be granted or issued for said invention in the United States and throughout the world, including all divisions, continuations, reissues and extensions thereof, and all international priority rights associated therewith, all to be held and enjoyed as fully and completely as the same might have been held by us had this assignment not been made; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and duly constituted authorities of foreign countries to issue a Letters Patent relating to the foregoing assigned rights to said assignee, its successors and assigns.

We agree that we will at all times keep said assignee advised of our whereabouts; and we will promptly, upon request of said assignee, and without further compensation, but at no out-of-pocket expense to myself, do all lawful acts, including the execution of all necessary documents and the giving of testimony that, in the opinion of said assignee, its successors and assigns, may be necessary or desirable for obtaining, sustaining, or reissuing United States and foreign Letters Patent relating to the foregoing assigned

Page 1 of 3

PATENT
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rights, and for perfecting, affirming, recording, and maintaining the title of said assignee, its successors and assigns thereto; and that we will generally cooperate to the fullest extent in all matters pertaining to said invention and patents and said assignee's title thereto.

IN WITNESS WHEREOF, I have executed this instrument at Woodland Hills, California on the date indicated adjacent our name.

Signature of Notary Public

December 21, 1999
Date

Lorrie L. Gampp
LORRIE L. GAMPP

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES)

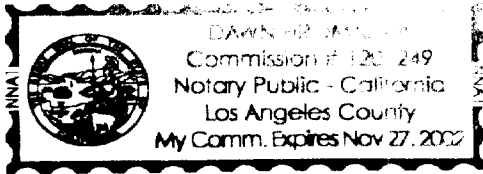
On Dec 21, 1999 before me, *Dawn Armadillo*
Date Notary Public

personally appeared LORRIE L. GAMPP

- personally known to me — OR —
- who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed above 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.

Dawn Armadillo
Signature of Notary Public



DEC 21, 1999
Date

Arthur R. Martinez
ARTHUR R. MARTINEZ

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES)

On Dec 21, 1999 before me, Dawn Hromadka
Date Notary Public

personally appeared ARTHUR R. MARTINEZ

- personally known to me OR
- who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed above 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.

Dawn Hromadka
Signature of Notary Public

Thomas M. Flaherty
THOMAS M. FLAHERTY

12/21/1999
Date

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES)

On Dec 21, 1999 before me, Dawn Hromadka
Date Notary Public

personally appeared THOMAS M. FLAHERTY

- personally known to me OR
- who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed above 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.

Dawn Hromadka
Signature of Notary Public

Attorney Docket No. GCD 99.33

ASSIGNMENT OF INVENTION

Whereas, I the undersigned Gregory Zimmerman, residing at 2243 North 1975 East, Layton, UT 84040 with Lorrie L. Gampp, residing at 19610 Sherman Way #6, Reseda, Ca 91385, Arthur R. Martinez, residing at 8010 Mason Ave., Canoga Park, CA 91306, and Thomas Flaherty, residing at 27828 Via Amistosa, Agoura Hills, CA 91301 have invented a new and useful invention entitled **INTEGRATED OPTICS CHIP HAVING REDUCED SURFACE WAVE PROPAGATION** for which we have concurrently herewith executed an application for United States Letters Patent thereon and have filed said application for United States Letters Patent concurrently herewith;

Whereas, we verily believe that we are the original and first inventors of the invention set forth in said application for Letters Patent and represent that we have not conveyed or hypothecated any right or interest therein; and

Whereas, LITTON SYSTEMS, INC., a corporation of the state of Delaware, sometimes hereinafter referred to as "said assignee", having a principal place of business at 21240 Burbank Boulevard, Woodland Hills, CA 91367-6675 is desirous of acquiring the entire and exclusive right, title and interest in and to said invention, any and all patent applications which may be filed thereon, and any and all Letters Patent which may be granted or issued therefor in the United States and throughout the world, including any and all divisions, continuations, reissues and extensions of any of the foregoing;

NOW, THEREFORE, in consideration of obligations voluntarily assumed by us and set forth in an employment agreement entered into between us and said assignee at Woodland Hills, California and for the further consideration of the sum of One Dollar (\$1.00) paid to each of us, receipt of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire and exclusive right, title and interest in and to said invention, patent applications and Letters Patent which may be granted or issued for said invention in the United States and throughout the world, including all divisions, continuations, reissues and extensions thereof, and all international priority rights associated therewith, all to be held and enjoyed as fully and completely as the same might have been held by us had this assignment not been made; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and duly constituted authorities of foreign countries to issue all Letters Patent relating to the foregoing assigned rights to said assignee, its successors and assigns.

We agree that we will at all times keep said assignee advised of our whereabouts; and we will promptly, upon request of said assignee, and without further compensation, but at no out-of-pocket expense to myself, do all lawful acts, including the execution of all necessary documents and the giving of testimony that, in the opinion of said assignee, its successors and assigns, may be necessary or desirable for obtaining, sustaining, or reissuing United States and foreign Letters Patent relating to the foregoing assigned

rights, and for perfecting, affirming, recording, and maintaining the title of said assignee, its successors and assigns thereto; and that we will generally cooperate to the fullest extent in all matters pertaining to said invention and patents and said assignee's title thereto.

IN WITNESS WHEREOF, I have executed this instrument at X Salt Lake City, Utah on the date indicated adjacent our name.

X 12-21-99
Date

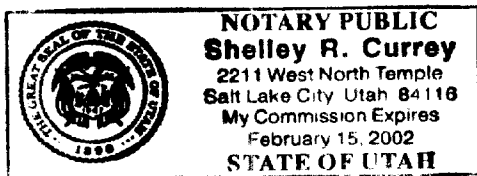
X Gregory A. Zimmerman
Gregory Zimmerman

STATE OF UTAH)
COUNTY OF Salt Lake)

On 21 December 1999, before me, Shelley R. Currey
Date Notary Public

personally appeared GREGORY ZIMMERMAN

personally known to me — OR —
 who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed above 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

Shelley R. Currey
Signature of Notary Public