

08-28-2001



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PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE

COVER SHEET

Patent and Trademark Office

Docket No. 072219-0276281 (P05000)

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
WACLAW C. KOSCIELNIAK *8/14/01*

Individual(s) Association
 General Partnership Limited Partnership
 Corporation-State Other

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

2. Name and address of receiving party(ies):
Name: **NATIONAL SEMICONDUCTOR CORPORATION**
Address: 2900 Semiconductor Drive, M/S D3-579
City: Santa Clara State: CA
Zip Code: 95051-8090

JC986 U.S. PTO
 09/19/2001
 09/19/2001

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other:

Execution Date: August 12, 2001

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s): **NEW** *09/929661*

If this document is being filed with a new application, the execution date of the application is: August 12, 2001

A. Patent Application No.(s): B. Patent No.(s):

Additional numbers attached? Yes No

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

Mark C. Pickering, Esq.
PILLSBURY WINTHROP LLP
50 Fremont Street, 5th Floor
San Francisco, CA 94105
Customer No. 27271

6. Total number of applications and patents involved: **1**

7. Total fee (37 C.F.R. § 3.41): \$40.00

Enclosed
 Authorized to be charged to deposit account, referencing Attorney Docket No. 072219-0276281

8. Deposit account number: **03-3975**

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-3975

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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.

Name: Mark C. Pickering
Registration No. 36,239

Mark C. Pickering
Signature

Date: *8-14-01*

Total number of pages comprising cover sheet, attachments and document: **2**

Mail documents to be recorded with required cover sheet information to:
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Attorney Docket No.072219-0276281 [P05000]

ASSIGNMENT

WHEREAS, I, WACLAW C. KOSCIELNIAK, hereinafter referred to as "ASSIGNOR", has invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Method of Forming Photonic Crystals Using a Semiconductor-Based Fabrication Process

Application Execution Date: _____

Filing Date: Herewith Appln. No.: New

WHEREAS, NATIONAL SEMICONDUCTOR CORPORATION, a corporation of the State of Delaware, 2900 Semiconductor Drive, M/S D3-579, Santa Clara, California 95051-8090, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to Assignor by Assignee, receipt of which is hereby acknowledged, Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this assignment and transfer not been made, to the full end and term of any Letters Patent.

Assignor further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: 8/12/01

W. C. Koscielniak
WACLAW C. KOSCIELNIAK

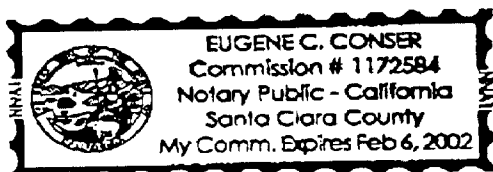
State of California

County of Santa Clara

On 8/12/01 before me, Eugene C. Conser (Notary), personally appeared Waclaw C. Koscielniak, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his her authorized capacity(ies), and that by his her signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Eugene C. Conser
Signature of Notary



SEAL