

DOCKET NUMBER: AMPC 4857-  
DIV**RECORDATION FORM COVER SHEET  
PATENTS ONLY**To the Honorable Commissioner of Patents and Trademarks:  
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Mark J. Bloemer and Krishna Myneni

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

United States of America, as  
represented by the Secretary of the Army  
Washington, D. C. 20231

3. Nature of conveyance: ASSIGNMENT

Execution Date: September 27, 2000

4A. Patent Application Number(s):

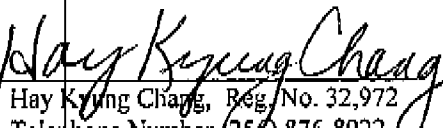
10/153,490

4B. Patent Number(s):

5. Name and address of party to whom  
correspondence concerning document should be mailed:Legal Office  
(AMSAM-L-G-I / Ms. Anne Lanteigne)  
US Army Aviation and Missile Command  
Redstone Arsenal, AL 35898-50006. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41): \$80.008. Please charge the required fee and any additional required fees to deposit account number 19-2201

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.  
Hay Kyung Chang, Reg. No. 32,972  
Telephone Number (256) 876-8922March 26, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 3Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D. C. 20231

Docket No. AMPC 4857**ASSIGNMENT OF INVENTION**

For use of this form, see AR 27-60; the proponent agency is OTJAG

Title of Invention: Monolithically Integrated Photonic CircuitInventor(s): Mark J. Bloemer and Krishna Myneni

\*Application Serial No.: \_\_\_\_\_

\*Date Declaration Executed: \_\_\_\_\_

\*Filing Date \_\_\_\_\_

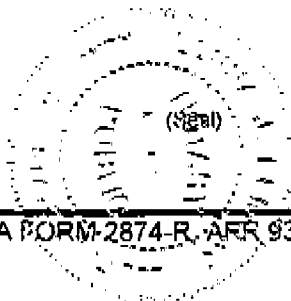
(\*Data not known at execution may be added for better identification)

I (WE), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.

2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.

3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of Inventor: Mark  
(First Name)J  
(Middle Initial)Bloemer  
(Last Name)Address: 15829 Sanderson Lane, Athens, 35613 Limestone Alabama  
(Locality) (County) (State)Date Sept 27, 2000 Typed Name of Inventor Mark J. BloemerState of Alabama )  
) ss.  
County of Madison )On the above date Mark J. Bloemer known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that he executed the same as his own free act and deed.

Lonna J. Lanning  
(Signature of Notary Public)

My Commission expires on 22 Aug 2004

DOCKET NUMBER: AMPC 4857

## ASSIGNMENT

(Contractor Employee)

(For use of this form, see AR 27-60; the proponent agency is OTJAG)

Inventor(s): Mark J. Bloemer and Krishna MyneniContractor: Science Applications International Corporation Contract No.: DI-SC-93-005/2Title of Invention: Monolithically Integrated Photonic Circuit

\*Date Declaration Executed: \_\_\_\_\_

\*Application Serial. No. \_\_\_\_\_ \*Filing Date: \_\_\_\_\_

The undersigned Inventor(s), in recognition of his (their) obligation as employee(s) of the Contractor\*\* to assign inventions to the Contractor, and pursuant to the obligations of the Contractor to the Government under the above contract, hereby assign(s) to the United States of America, as represented by the Secretary of the Army, the entire right, title, and interest in and to each invention disclosed and claimed in the above U.S. patent application, and any substitution, division, continuation-in-part, or continuation of such patent application, subject to the reservation of the following license, if any, to the Contractor.

Any license reserved to the Contractor shall extend to the Contractor's domestic subsidiary and affiliate companies, if any, within the corporate structure of which the Contractor is a part, and shall include the right to grant sublicenses of the same scope to the extent the Contractor was legally obligated to do so at the time the contract was awarded. The license shall be transferable only with the approval of the Army, except when transferred to the successor of that part of the Contractor's business to which such invention pertains.

The Inventor(s) further agree(s) to assist the Contractor, and the Government, upon request, by furnishing any available information and documents, performing all acts, and doing all things which may be reasonably necessary to make this assignment effective.

The Contractor joins in and agrees to the foregoing assignment, and except for the above reservation of a license, if any, relinquishes and assigns the entire right, title and interest in and to such inventions, and further agrees to furnish to the Government, upon request, any available information and documents necessary for the preparation and prosecution of the above-identified application for patent (including prosecution and settlement of interferences), and of any substitution, division, continuation-in-part, or continuation of such a patent application and of any application for reissue of any patent resulting from such an application.

Inventor's Signature: Krishna Myneni  
Krishna MyneniAddress: 4160 Memorial Parkway, SW, Apt. E, Huntsville, Alabama 35802Signed this 27th day of September 2000

ATTEST:

By Lonna J. Lanning  
State of Alabama  
County of Madison  
(Address)

(SEAL)

My Commission expires on 22 August 2004Contractor's Typed Name and Title: K.M. Wiggins, Assistant Vice President for AdministrationContractor's Signature: K.M. Wiggins for SAICAddress: 6725 Odyssey Drive, Huntsville, AL 35806Signed this 27th day of September 2000

ATTEST:

By Edna E. Dawson  
State of Alabama  
County of Madison  
(Address)

(SEAL)

My Commission expires on 2-16-2003

\*(Data not known at execution may be added for better identification)

\*\*The terms Contractor and Contractor shall include Subcontract and Subcontractor, if applicable, wherever they occur)

DAJA Form 104 Rev. 16 Nov. 78

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