FORM PTO-1595 1-31-92	T U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
1-31-92  Tab settings ▼ ▼		
To the Honorable Commissioner of 10224702	ease record the attached original documents or copy thereof.	
1. Name of conveying party(ies): Steven R. Sakamoto Ralph Spickermann	2. Name and address of receiving party(ies):  Name: Lockheed Martin Corporation  Internal Address:	
Additional name(s) of conveying party(ies) attached? Yes X No		
3. Nature of conveyance:  X Assignment	Street Address: 6801 Rockledge Drive	
☐ Security Agreement ☐ Change of Name ☐ Other	City: Bethesda State MD Zip 20817	
Execution Date: 10/1/2002	Additional name(s) & address(es) attached? Yes X No	
A. Patent Application No.(s) 0/08/2002 WASFAW1	B. Patent No.(s)	
Additional numbers attached	? Yes X No	
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> <li>Name: Keith D. Nelson</li> </ol>	6. Total number of applications and patents involved: 1	
Internal Address: Lockheed Martin Corporation	7. Total fee (37 CFR 3.41):\$40.00	
	X Enclosed	
Street Address: 3200 Zanker Road, B/220, M/S A08	Authorized to be charged to deposit account	
	8. Deposit account number:	
City: San Jose State CA Zip 95134	(Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE		
9. Statement and signature.  To the best of my know/edge and belief, the foregoing information is original document.	s true and correct and any attached copy is a true copy of the	
Name of Person Signing	October 3, 2002 Signature Date	
	Total number of pages comprising cover sheet:	

PATENT REEL: 13364 FRAME: 0535 WHEREAS, I (We), as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my (our) name(s), have invented a(an) Optically Induced Total Internal Reflection X-Junction Waveguide Switch, Network and Optical Switching Method for which application for Letters patent of the United States has been executed by me (us) on this day, or (if the as Serial No. following is completed) filed on

WHEREAS Lockheed Martin Corporation, ("Lockheed") having a place of business located at 6801 Rockledge Drive, Bethesda, MD is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we) do hereby sell, assign and transfer unto Lockheed, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under said application for Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

**Address** 

Name(s) of inventor(s)

Stavan B. Sakamata	2715 Torstone Plag	e #206, Santa Clara, CA 95051	
Steven R. Sakamoto First Inventor	3/13 Terstena Frac	e #200, Santa Ciara, CA 93031	
Ralph Spickermann Second Inventor	3733 Country Club	Drive, Redwood City, CA 94061	
Third Inventor	_		
Fourth Inventor			
Fifth Inventor			
Sixth Inventor	_		
Seventh Inventor			
divisional or reissue, or other papers which assigns, the inventions described in said a foreign thereto, and to cooperate and assi	ch may be necessary or design application and all patent rigist in the prosecution of interform of such Letters Patent provides	ignment, application, whether original, continuously to secure to Lockheed its successoring that the united States and in any conference proceedings involving said inventions ded the expenses which may be incurred by me	rs an <b>d</b> ountry s
IN WITNESS WHEREOF, I (we) hereun	•	seal(s):	
Drell		10/01/02	
Inventor's Signature		Assignment Execution Date	
Phlasich		OCT. 1,2002	
Inventor's Signature		Assignment Execution Date	
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Inventor's Signature		Assignment Execution Date	
Inventor's Signature	Page 1	Assignment Execution Date	

	Notary Public
basis of satisfactory evidence to be the person who ack free act and deed	nowledged the foregoing instrument of assignment to be h
BEFORE me this day of	who is ☐ personally known or ☐ proved to me on the
COUNTY OF) ss	н.
STATE OF	
	Notary Public
	nowledged the foregoing instrument of assignment to be h
BEFORE me this day of	, 19, personally appeared who is personally known or proved to me on the
COUNTY OF) ss	.:
STATE OF)	
DONNA M. OWENS Comm. # 1285684 NOTARY PUBLIC-CALIFORNIA Santa Clara County My Comm. Expires Dec. 27, 2004	Rama M. Culeus Notary Public
	nowledged the foregoing instrument of assignment to be his
BEFORE me this 1st day of Cital	y 2002, personally appeared who is personally known or proved to me on the
COUNTY OF Santa Clara ss	_
STATE OF California	
Comm. # 1285684 NOTARY PUBLIC-CALIFORNIA Santa Clara County My Comm. Expires Dec. 27, 2004	Romas M. Curans Notary Public
basis of satisfactory evidence to be the person who ack free act and deed DONNA M. OWENS	nowledged the foregoing instrument of assignment to be h is
BEFORE me this 15t day of Octo	who is personally known or proved to me on the
COUNTY OF Santa Clara ss	
STATE OF (alifornia)	

PATENT REEL: 13364 FRAME: 0537