04-24-2002 RE( U.S. DEPARTMENT OF COMMERCE Form PTO-1595 U.S. Patent and Trademark Office (Rev. 03/01) 02067463 OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇒ ⇒ ⇒ To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name and address of receiving party(ies) Name of conveying party(ies): **Raytheon Company** Clifton Quan Name: Brian M. Pierce Intellectual Property and Licensing Internal Address: Additional name(s) of conveying party(ies) attached? 🔲 Yes 🗶 No 3. Nature of conveyance: ☐ Merger Assignment Street Address: Change of Name Security Agreement 141 Spring Street Other Zip:02421-7899 State: MA Lexington City: 03/26/2002 and 4/4/2002 Execution Date: 4. Application number(s) or patent number(s): Internal Docket No. PD-00W054 If this document is being filed together with a new application, the execution date of the application is: 04/11/2002 B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached? 📮 Yes 🕱 No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41).....\$ 40.00 **Raytheon Company** Name: ☐ Enclosed Leonard A. Alkov Internal Address: Authorized to be charged to deposit account 8. Deposit account number: P.O. Box 902 (E1/E150) 50-0616 Street Address: (Attach duplicate copy of this page if paying by deposit aceunt) 90245-0902 El Segundo

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9. Statement and signature.

City:\_

To the best of my knowledge and belief, the foregoing information is true and correct and any attached con-

Zip:

is a true copy of the original document.

Leonard A. Alkov, 30,021

Name of Person Signing

State:\_

舌

Date

Total number of pages including cover sheet, attachments, and documents: Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

**PATENT** 

REEL: 012807 FRAME: 0811

## ASSIGNMENT

WHEREAS, I, as below named joint inventor of the city and state as stated below next to my name, have invented "RF MEMS Switch Loop 180° Phase Bit Radiator Circuit" for which application for Letters Patent of the United States has been executed by me on this day; and

WHEREAS, RAYTHEON COMPANY, a Delaware Corporation, having its principal place of business in Lexington, Massachusetts, 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, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to RAYTHEON COMPANY, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in- part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said RAYTHEON COMPANY, its successors, assigns or other legal representatives; convenient that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to RAYTHEON COMPANY, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by RAYTHEON COMPANY, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of RAYTHEON COMPANY, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in RAYTHEON COMPANY, its successors, assigns or other legal representatives.

> PATENT REEL: 012807 FRAME: 0812

IN WITNESS WHEREOF, we have executed this instrument.

**RECORDED: 04/11/2002** 

Full Name of Inventor	Inventor Signature	Date Signed
Clifton Quan	Clifte Jun	3-26-62
Residence (City and State)		Invention Agreement Date
5521 No. Florinda Avenue, Arcadia, CA 91006		June 19, 1978
STATE OF <u>California</u>	) ) SS:	
COUNTY OF Los Angeles	)	
	Elaine Panousis	, a Notary Public in and for said State,
personally appeared Clifton Quan		
the within instrument and acknowledged to me	me on the basis of satisfactory evidence to be the p that he/she/they executed the same in his/he/their a person(3), or the entity upon behalf of which the per	uthorized capacity(igs), and that by
WITNESS my hand and official seal.		: Panouis
	Notary Public <u>Clame</u>	Canouns
Commission # 1296202 Notary Public - California Los Angeles County My Comm. Expires Mar 5, 2005		
Full Name of Inventor	Inventor Signature	Date Signed
Brian M. Pierce	Brian M Preser	4 APRIL ZOUZ
Residence	ee (City and State)	Invention Agreement Date
22501 Sheffield Drive, Moreno Valley, CA 92557		n/a
STATE OF California	) ) ) SS:	
On April 4, 2002 before me,	PAULA J. ROSS PIERCE Main WY	a Notary Public in and for said State,
personally appeared BRIAN M.	PIERCE MAIN	Will a subscribed to
personally known to me orproved to the within instrument and acknowledged to me his/hear/their signature(s) on the instrument the	o me on the basis of satisfactory evidence to be the that he/she/they executed the same in his/her/their person(s), or the entity upon behalf of which the person(s)	authorized capacity(ies), and that by erson(s) acted, executed the instrument.
WITNESS my hand and official seal.	Notary Public Quild	floor
PAULA J. ROSS Commission # 1199991 Notary Public - California Ventura County My Comm. Expires Oct 29, 2002		·
		DATENT

PATENT REEL: 012807 FRAME: 0813