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1. Name of conveying party(ies)	2. Name and address of receiving party(les)				
Peiji Zhao	Name: United States of America as Represented by the				
Dwight Woolard	Secretary of the Army				
Additional name(s) of conveying party(ies) attached? Yes 🗹 No	Internal Address:				
3. Nature of conveyance/Execution Date(s):	Street Address:				
Execution Date(s) June 14, 2004					
Assignment Merger	City: Washington				
Security Agreement	City:				
Joint Research Agreement	State: District of Columbia				
Government Interest Assignment	Country: U.S.A. Zip: 20310				
Executive Order 9424, Confirmatory License					
Other	Additional name(s) & address(es) attached? - Yes V No				
4. Application or patent number(s): This A. Patent Application No.(s)	document is being filed together with a new application.  B. Patent No.(s)				
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·					
	ached? Yes No				
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents Involved: 1				
Name: Office of Command Counsel					
Internal Address: U.S. Army Materiel Command	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40  Authorized to be charged by credit card				
ATTN: AMCCC-B-IP (Ed Stolarun)	Authorized to be charged by credit card  Authorized to be charged to deposit account				
Street Address: 9301 CHAPEK ROAD	Enclosed				
	None required (government Interest not affecting title)				
City: Fort Belvoir	8. Payment Information				
State: Virginia Zip: 22060-5597	a. Credit Card Last 4 Numbers				
Phone Number: (703) 806-8244	Expiration Date				
Fax Number: (703) 806-8873	b. Deposit Account Number 19-2201				
Email Address: ed.stolarun@US.ARMY.MIL	Authorized User Name US Army Materiel Command				
9. Signature: Elwan Lattela	144.				
Signature	August 5, 2005 Date				
EDWARD L. STOLABUN, Beg. No. 25,515 Total number of pages including cover					
Name of Person Signing	sheet, attachments, and documents:				

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PATENT REEL: 016612 FRAME: 0852

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For use of this form, see AR 27-60; the proponent agency is OTJAG Title of Invention: A Multi-Subband Criterion for the Design of a Double-Barrier Quantum-Well Intrinsic Oscillator inventoria) Poil Zhao and Dwight Woolard Docket # ARL 02-20 "Application Sarial No.: 04 "Date Oath Executed: (\*Date not known at execution may be added for better identification.) ( (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States accorded by victure of the discumstances under which the above-entitled invention was made, hereby: 1. Assign to the Government of the United States, as represented by the Scoretary 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 Potent issuing thereon, and any continuation, continuation-in-part or division of said application and any reisous or extension of said Letters Patent. Agree to assign to the Government upon its request, title and interest in the invention in these length countries in which the Government, within eight months of the filing of the United States application for patent, determines to gauss 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 fella to make such a determination, within the sold eight months, all right, this 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. Agms to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosocution 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: Typed Name of Inventor: State of: NORTH CAROLINA County of: WAXE Peiji Zhao known to me to be the individual described in and who executed the foragoing instrument duly appeared before me and acknowledged to me that the same as his own free

DA FORM 2874-R, APR 93

REPLACES DA FORM 2874-R. MAR 74, WHICH IS DESOLETE.

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	SUPPLEMENTAL SIGNATURE SHEET				
For use of this form, see AR 27-60; the proponent agency is OTJAG					
	Use this form with DA Forms 2873-R and 2874-R when additional signature blocks are resided.				
1. ASSIGNOR(s) OR LICENSOR(s) NAME(s)	2. APPLICATION SERIAL NUMBER Docket # ARL 02-20				
Peiji Zhao and Dwight Woolard	3. FILING DATE				
4. TITLE OF INVENTION A Multi-Subband Criterion for the Design of a Double-Barrier Qua	ntum-Well Intrinsic Oscillator				
1 /2 12 1	(I band V				
SIGNATURE OF INVENTOR:	(AMERICA INTINO) (LINE RATIO)				
DUTY ADDRESS: 4910 12 WESTERN BLKD, A	WE164 NC 27606				
DATE SIGNED: 14 JUNE ZOH INVENTOR'S TY	PED NAME: Dwight Woolard				
STATE OF NORTH CAROLINA,	* * * #				
COUNTY OF WINE					
On the above date  Dwight Woolard  executed the (stabblide fragrument duly appeared before me and acking the act and deep E. HAPO  ARY  188AU  My Comm	known to me to be the Individual described in and who nowledged to me that he executed the same as his own  (Signature of notary public)  ission expires on Mod 13, 2009				
	10				
SIGNATURE OF INVENTOR:					
DUTY ADDRESS:	(Last merma)				
DATE SIGNED: INVENTOR'S T	PED NAME:				
*******					
STATE OF					
COUNTY OF SS.					
TOURIT OF					
On the above date executed the foregoing instrument duly appeared before me and acknowled act and deed.	knewn to me to be the individual described in and who owledged to me that he executed the same as his own				
(SEAL)	(Bignerum of morely public)				
My Comm	salon expires on ———————————————————————————————————				
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**RECORDED: 08/05/2005**