FORM PTO-1595 (Rev. 6-93)	RECORDATION FO	07-22-2002	Patent and Trademark Office
OMB No. 0851-0011 (exp. 4/94)	PATENT		
Tab settings ⇔ ⇔ ▼	oner of Patents and Trademarks: F		V V
	0 (2 27)	102162499	s or copy thereof.
1. Name of conveying party(ies): 7-12-02 DAVID LEWIS	2. Name and address of receiving	party(ies)
JUL 1 2 2002	ARNE FLIFLET RALPH BRUCE LYNN KURIHARA	Name: <u>The United States</u> represented by the Secr Internal Address: <u>CHIEF OF N</u>	etary of the Navy
Additional name(s) of conveying sarty(i		DFFICE OF	
3. Nature of conveyance:		(ATTN: CODE_OOCCIP)	
🖾 Assignment	D Merger	Street Address: <u>BALLSTON T</u>	OWER ONE
Security Agreement	Change of Name	800 NORTH	QUINCY_STREET
Other		City: ARLINGTON State:	ZIP: <u>22217</u>
Execution Date: <u>3/27/2002</u> , 03/26/2002	03/20/2002, 04/05/2002	Additional name(s) & address(es) attact	ned? 🛛 Yes 🖄 No
4. Application number(s) or pate	ent number(s):	•	
If this document is being filed	together with a new application	, the execution date of the application	is:
A. Patent Application No.(s) NC 82,810 10/113,651		B. Patent No.(s)	
	Additional numbers atta	ched? 🖸 Yes 🛛 No	·
5. Name and address of party to concerning document should		6. Total number of applications and p	patents involved:
Name: ASSOCIATE COUNSI	I. (PATENTS)	7. Total fee (37 CFR 3.41)	40.00
Internal Address: <u>NAVAT. R</u>	SEARCH LABORATORY		
(ATTN: CODE 1.008.2)		Authorized to be charged to deposit account	
Street Address: 4555 OVERI	OOK AVENUE, S.W.	8. Deposit account number: 50-0:	281
City: WASHINGTON, DC Sta	te:ZIP: <u>20375_</u>	(Attach duplicate copy of this page if pay	ing by deposit account)
07/19/2002 DBYRNE 00000154 500281	10113651 DO NOT USE	THIS SPACE	
 9. Statement and signature. 9. Statement and signature. 10 the best of my knowledge a the original document. JOHN J. KARASEK Reg. No. 36,182 Name of Person Signing 		ion is true and correct and any attache	7/11/02
Mail documents to be recorded with required cover sheet information to:			
	Commissioner of Patents & Trad Washington, D.		
			-

REEL: 013096 FRAME: 0222

Assignment

MILLIMETER WAVE GYROTRON BEAM COATINGS USING THE POLYOL PRO	PROCESSING OF NANOCRYSTALLIN	E METALLIC POWDERS AND
Inventor(s) (Name)	Contractor	
LYNN K. KURIHARA ARNE W. FLIFLET	DECISION SYSTEMS TECHNOLOGI	
RALPH W. BRUCE	Contract No.	Government Agency
	N00173-98-C-2020	NRL
	Contractor Invention Docket No.	Agency Docket No.
		82,810
	Date Executed 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 obligation of the Contractor to the Government under the above contract, hereby assigns (assign) to the United States of America, subject to a nonexclusive and royalty-free license which is hereby reserved to the Contractor, all rights, title and interest in and to each invention disclosed and claimed in the above U.S. patent application and any foriegn patent application that corresponds thereto.

The license reserved to the Contractor shall extend to all existing and future associated and affiliated companies, if any within the corporate structure of which the Contractor is a part and shall be assignable to the successor of that part of the Contractor's business to which such invention pertains.

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

The Contractor joins in and agrees to the foregoing assignment, and except for the above reservation of a license relinquishes and assigns all right, title and interest in and to such invention, and further agrees to furnish to the United States of America, upon request, any available information and documents necessary for the prosecution of the above-identified application for patent (including prosecution and settlement of interferences), and any substitution, division, continuation-in-past, or continuation of such patent application and any application for reissue of any patent resulting from such patent application.

3/27	Date	
	Date	
	Date	
	28	
Signed This _		Day of
Attest:		

LYNN K. KURIHARA

Inventor

Inventor

(Seal)

20 0

100

PATENT REEL: 013096 FRAME: 0223

ASSIGNMENT

WHEREAS, I/We, **David Lewis** of Alexandria, VA, while employed by the Government of the United States, have invented certain new and useful improvements in "MILLIMETER WAVE GYROTRON BEAM PROCESSING OF NANOCRYSTALLINE METALLIC POWDERS AND COATINGS USING THE POLYOL PROCESS", identified as Navy Case No. 82,810 and described in application for Letters Patent of the United States of America executed by us; and:

WHEREAS, the Government of the United States, represented by the Secretary of the Navy and hereinafter referred to as the Government, is desirous of acquiring an assignment of the invention disclosed in said application and other rights and benefits herein granted; and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration the receipt of which is hereby acknowledged, I hereby assign and transfer to the Government the entire right, title and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division, or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the Government to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this assignment not been made.

I/We do hereby also grant unto the Government, the option to take the entire right, title and interest in the invention and all patent applications or other forms of protection thereon in all countries foreign to the United States in which the Government may file, or cause to be filed, applications for Letters Patent or other forms of protection, without payment of any consideration; provided, however, that this grant of an option to take foreign rights in the invention, or applications or other forms of protection thereon, shall have force and effect only as to such applications for which a decision to file in foreign countries is made within eight months of the filing date of any application for United States Letters Patent covering the invention, or within eight months from the declassification of the invention, whichever is later, and that all foreign rights not exercised under the option are left to me subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on said invention in any foreign country, including the power to issue sub-licenses of the Government.

I/We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts with be paid by the Government.

li VID LEWIS

DATE: 29 March 2002

PATENT REEL: 013096 FRAME: 0224

ASSIGNMENT

WHEREAS, I/We, Arne W. Fliflet, of Alexandria, VA, while employed by the Government of the United States, have invented certain new and useful improvements in "MILLIMETER WAVE GIROTRON BEAM PROCESSING OF NANOCRISTALLINE METALLIC POWDERS AND COATINGS USING THE POLYOL PROCESS", identified as Navy Case No. 82,810 and described in application for Letters Patent of the United States of America executed by us; and:

WHEREAS, the Government of the United States, represented by the Secretary of the Navy and hereinafter referred to as the Government, is desirous of acquiring an assignment of the invention disclosed in said application and other rights and benefits herein granted; and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration the receipt of which is hereby acknowledged, I hereby assign and transfer to the Government the entire right, title and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division, or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the Government to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this assignment not been made.

I/We do hereby also grant unto the Government, the option to take the entire right, title and interest in the invention and all patent applications or other forms of protection thereon in all countries foreign to the United States in which the Government may file, or cause to be filed, applications for Letters Patent or other forms of protection, without payment of any consideration; provided, however, that this grant of an option to take foreign rights in the invention, or applications or other forms of protection thereon, shall have force and effect only as to such applications for which a decision to file in foreign countries is made within eight months of the filing date of any application for United States Letters Patent covering the invention, or within eight months from the declassification of the invention, whichever is later, and that all foreign rights not exercised under the option are left to me subject to a nonexclusive, irrevocable, royaltyfree license to the Government in any patent or other form of protection which may issue on said invention in any foreign country, including the power to issue sub-licenses for use in behalf of the Government and/or in furtherance of the foreign policies of the Government.

I/We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, I/We have set my hand and affixed my seal.

amen. Flight

DATE: 3/26/02

PATENT REEL: 013096 FRAME: 0225 04/05/02 FRI 10:02 FAX 202 404 7380

Assignment

IdeMILLIMETER WAVE GYROT AND COATINGS USING PO			
YNN K. KURIHARA RALPH W. BRUCE ARNE W. FLIFLET	LET Coorse No.	-	Coversion Agency
· · · · · ·	NDO1.73-99-C-6 Contractor Invention De		NRI Alecticy Docket No.
	Desc Executed	Serial Na	82,810 Filing Date

The undersigned inventor(x), in recognition of his (their) obligation as employee(x) of the Contractor to assign inventions to the Contractor, and pursuant to the obligation of the Contractor to the Government under the above contract, hereby assigns (assign) to the United States of America, subject to a nonexclusive and royalty-free license which is hereby reserved to the Contractor, all rights, title and interest in and to each invention disclosed and claimed in the above U.S. patent application and any forlegn patent application that corresponds thereto.

The license reserved to the Contractor shall extend to all existing and future associated and affiliated companies, if any within the corporate structure of which the Contractor is a part and shall be assignable to the successor of that part of the Contractor's business to which such invention pertains.

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

The Contractor joins in and agrees to the foregoing assignment, and except for the above reservation of a license relinquishes and assigns all right, title and interest in and to such invention, and further agrees to furnish to the United States of America, upon request, any available information and documents necessary for the prosecution of the above-identified application for patent (including prosecution and settlement of interferences), and any substitution, division, continuation-in-past, or continuation of such patent application and any application for reissue of any patent resulting from such patent application.

2002 Date

Date

Date

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RALTH W.	BRUCE

Inventor

Inventor

-74 Signed This Day of

Artest:

(Seal)

APRIL

Gerror ation

PATENT REEL: 013096 FRAME: 0226

RECORDED: 07/12/2002