FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

06-22-2000



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RECORDATION FORM COVER SHEET

U.S. Department of Commerce Patent and Trademark Office **PATENT**

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	(s: Please record the attached original document(s) or copy(ies).	
Submission Type	Conveyance Type	
X New	X Assignment Security Agreement	
Resubmission (Non-Recordation) Document ID#	License Change of Name	
Correction of PTO Error	Merger Other	
Reel # Frame # Corrective Document	U.S. Government (For Use ONLY by U.S. Government Agencies)	
Reel # Frame #	Departmental File Secret File	
Conveying Party(ies)	X Mark if additional names of conveying parties attached Execution Date Month Day Year	
Name (line 1) Pozgay, Jerome H.	05 17 2000	
Name (line 2)		
Second Party	Execution Date Month Day Year	
Name (line 1) Dull, Wesley T.	05 17 2000	
Name (line 2)	26214035	
Receiving Party	Mark if additional names of receiving parties attached	
Name (line 1) Raytheon Company	If document to be recorded is an assignment and the	
Name (line 2)	receiving party is not domiciled in the United States, an appointment	
Address (line 1) 141 Spring Street	of a domestic representative is attached. (Designation must be a	
Address (line 2)	separate document from Assignment.)	
Address (line 3) Lexington	MA 02421 Zip Code	
Domestic Representative Name and Ac	Idress Enter for the first Receiving Party only.	
Name		
Address (line 1)		
Address (line 2)		
Address (line 3)		
Address (line 4)		
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Correspondent Name and Address Area Code and Telephone Number 781-659-2288			
Name	Daly, Crowley & Mofford,	LLP	
Address (line 1)	P.O. Box 5057		
Address (line 2)	Norwell MA 02061-2516		
Address (line 3)			
Address (line 4)			
Pages	Enter the total number of pag including any attachments.	es of the attached conveyance docu	ment # 3
Application	Number(s) or Patent Num	ber(s) Mark i	f additional numbers attached
Enter either	the Patent Application Number or the Pa	atent Number (DO NOT ENTER BOTH number	
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Patent Coo	peration Treaty (PCT)		
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<u>oni</u>	y if a U.S. Application Number	PCT PCT	РСТ
	not been assigned.		
Number of	Properties Enter the total	al number of properties involved.	# 1
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•	D	eposit Account Number:	# 500845
	A	uthorization to charge additional fees:	Yes X No
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. Charges to deposit account are authorized, as indicated herein.			
Donald F.	Mofford	Jul 174/hr	(-22-00
Nam	e of Person Signing	Signature	Date

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FORM PTO-1619C Expires 06/30/99 OMB 0651-0027

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce Patent and Trademark Office PATENT

Name (line 1) Name (line 2) Execution Date Month Day Year Month Day Year Name (line 2) Name (line 2) Receiving Party(ies) Name (line 1) Name (line 2) Mark if additional names of receiving parties attached Enter additional Receiving Party(ies) Name (line 2) Address (line 1) Address (line 2) Address (line 3) City State/Country State/Country Jif document to be record to domiciled in the United States, an appointment of a domestic representation of a domestic rep		PAILNIS ONLY	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
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PATENT

REEL: 010862 FRAME: 0733

ASSIGNMENT

Whereas we, the undersigned, Jerome H. Pozgay, Wesley T. Dull, and Lawrence A. Durfee, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled, OFF-AXIS INDICATOR ALGORITHM FOR ELECTRICALLY LARGE ANTENNAS, identified as Attorney Docket No. RTN-053AUS, which application was executed by us on May 17, 2000, filed on February 15, 2000 assigned Application No. 09/504,625. In the event that the execution date, filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys at Daly, Crowley & Mofford, LLP, P.O. Box 5057, Norwell, MA 02061-2516, to insert above the execution date, filing date and/or Application No. of said application.

Whereas, Raytheon Company, a Massachusetts corporation having a place of business at 141 Spring Street, Lexington, Massachusetts 02421, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

- 1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
- 2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

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- 4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
- 5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

County 1 dalese x	
Dated: 17 May 2004	Jerome H. Pozgar
On this 17th day of May	, 2000, before me appeared Jerome H. Poz

State or Commonwealth of Massachuse 45

Mill.

On this 17th day of May, 2000, before me appeared Jerome H. Pozgay, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Notary Public Peter Dulchinos

My Commission Expires Nov 9,2001

[seal]

PATENT REEL: 010862 FRAME: 0735

State or Commonwealth of Massachusett		
County Midllesex		
Dated: May 17, 2000	Wesley T. Dall	
On this 1762 day of May, 2000, before me appeared Wesley T. Dull, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.		
	Notary Publickter Dulchinos My Commission Expires Nov. 7, 2001	
[seal]		
State or Commonwealth of Massachuse Hs		
County Middlesex		
Dated: 5/17/00	Lawrence A. Durfee	
On this 17th day of May, 2000, be me known and known to me to be the person describinstrument, and he/she acknowledged the same to be	bed in and who executed the foregoing	
	Loto Dulelun	
	Notary Public Peter Dulchines My Commission Expires Nov. 9,2001	
[seal]		

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RECORDED: 05/26/2000

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