FORM PTO-U.S. DEPARTMENT OF COMMER ATION FORM COVER SHEET 05-30-2001 (Rev. 6-93) Patent and Trademark Of **PATENTS ONLY** OMB No. 065 5, 33 01 Tab sett 101733954 d pracemarks: Please record the attached original documents or copy thereof. Tα Name and address of receiving party(ies) 1. Name of conveying party(ies): MAY 2 3 2001 Robert R. Whitlock Name: The United States of America as Michael I. Bell represented by the Secretary of the Navy Internal Address: CHIEF OF NAVAL RESEARCH Additional name(s) of conveying party(ies) attached? OFFICE OF COUNSEL Nature of conveyance: (ATTN: CODE OCCUP) Street Address: BALLSTON TOWER ONE Assignment □ Merger 800 NORTH CUINCY STREET ☐ Change of Name Security Agreement ____ State: <u>VA</u> ZIP:22217 □ Other Execution Date: 03/31/2000; 4/31/2000 Additional name(s) & address(es) attached? ☐ Yes ☑ No Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) NC# 79,348 09/566,239 Additional numbers attached?

Yes

No 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41).....\$ 40.00 Name: ASSOCIATE COUNSEL (PATENTS) Internal Address: NAVAL RESEARCH LABORATORY C Enclosed (ATTN: CODE 1:008.2) Authorized to be charged to deposit account 09566233 00000115 500281 29/2001 GTGN11 1 40.00 CH ... Street Address: 4555 OVERLOOK AVENUE, S.W. 8. Deposit account number: 50-0281 (Attach duplicate copy of this page if paying by deposit account) City: WASHINGTON, DC State: ZIP: 20375 DO NOT USE THIS SPACE 9. 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 c the original document. JOHN J. KARASEK Reg. No. 36,182 Signature Name of Person Signing Total number of pages including cover sheet, attachments, and document: Mail documents to be recorded with required cover sheet information to:

emplo an inv	eas We, Robert R. Whitlock and Michael I. Bell of yed by the Government of the United States of Ame rention entitled "TRANSMISSION CATHODE FOR and described in application for Letters Patent of the state of the st	rica, hereinafte DR X-RAY PR	ter referred to as the Government, have made PRODUCTION" identified as Navy Case N	de Io.
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invent rights of whithe Se Americ continextens repressand en United coveri identification other folicense affidate continextens affi	WHEREAS, the conditions under which the inversable 1(a) of Executive Order 10096 to the entire right WHEREAS, the Government is desirous of obtainion disclosed in said application within the United Stand benefits herein granted; and WHEREAS, as to foreign rights, the Government NOW, THEREFORE, in consideration of the president is hereby acknowledged, We hereby assign and the cretary of the Navy the entire right, title, and interestical, its territories and possessions, and the entire right auation, division or substitution thereof, and such Let stands thereof, said invention, application and Letters tented by the Secretary of the Navy to the end of the intirely as the same would have been held by us had the We do hereby also grant unto the Government, the vention and all patent applications, patents and other distates of America within eight months of the filing and the invention; such option to be exercised by a wearing the invention; such option to be exercised by a wearing the invention of protection on the invention; and the are left to ussubject to a nonexclusive, irrevocable, form of protection which may issue on the invention es for use in behalf of the Government and/or in furt. We hereby further agree to make, execute, and divits, statements, or other instruments that may be necleuation, division or substitution of the application, or the arising through such efforts will be paid by the Government in every way in protesse arising through such efforts will be paid by the Government in every way in protesse arising through such efforts will be paid by the Government in every way in protesse arising through such efforts will be paid by the Government in every way in protesse arising through such efforts will be paid by the Government in every way in protesse arising through such efforts will be paid by the Government in every way in protesse arising through such efforts will be paid by the Government in every way in protesse arising through such efforts will be paid by the Government in every way in prote	t desires an optemises and other ansfer to the Ut in and to said at, title, and interest Patent as reparent to be he term for which his assignment as reparent will from the rights in any apprise in any foreign therance of the eliver to the Goessary in the pany application etting the invented and application of the pany application etting the invented in the rights in the rights in the royalty-free lice in any foreign therance of the eliver to the Goessary in the pany application etting the invented and the invented and the eliver to the Goessary in the pany application etting the invented and the eliver to the Goessary in the pany application etting the invented and the eliver to the Goessary in the pany application etting the invented and the eliver to the Goessary in the pany application etting the invented and the eliver to the Goessary in the pany application etting the invented and the eliver to the Goessary in the pany application etting the invented and the eliver to the Goessary in the pany application etting the invented and the eliver to the Goessary in the pany application etting the invented and the eliver to the Goessary in the pany application etting the invented and the eliver to the Goessary in the pany application etting the invented and the eliver to the Goessary in the pany application etting the eliver to the Goessary in the pany application etting the eliver to the Goessary in the pany application etting the eliver to the Goessary in the pany application etting the eliver to the Goessary in the pany application etting the eliver to the Goessary in the pany application etting the eliver to the Goessary in the pany application etting the eliver to the Goessary in the pany application etting the eliver to the Goessary in the pany application etting the eliver to the Goessary in the pany application etting the eliver to the Goessary in the pany application etting the eliver to the Goessary in the pany application etting the eliver to the e	re right, title and interest in and to the rica, its territories and possessions and other ption to obtain such rights; her good and valuable consideration the reculorited States of America as represented by id invention within the United States of interest in and to said application and any is may issue therefrom and any reissue or held by the United States of America as che said Letters Patent may be granted, as fulnt not been made. Take the entire right, title, and interest in and tection thereon in countries foreign to the application for United States Letters Patent ation to me us within such eight months file or cause to be filed an application for in the foreign countries not exercised under the icense to the Government in any patent or in country, including the power to issue subservices for eight policies of the Government. Government, any and all papers, documents, approsecution of the application and of any ion for reissue or extension of said Letters.	eipt /
	IN TESTIMONY WHEREOF, We have set our	hands. And affi	ffixed our seals.	
	Robert K Whitlook		3/31/2000) Date: 3/31/2000	
⊚	That R. Whatlock	(Seal)) Date: 3/31/2000	
	Robert R. Whitlock			
©	Michael I. See	(Seal)) Date: 4/3/2000	

PATENT REEL: 011833 FRAME: 0662

RECORDED: 05/23/2001

Michael I. Bell