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6,220,914 **U.S. Department of Commerce** FORM PTO-1619B **Patent and Trademark Office** Page 2 Expires 06/30/99 **PATENT** OMB 0651-0027 **Correspondent Name and Address** Area Code and Telephone Number (703) 696-4006 Name JEAN TRUMAN Address (line 1) OFFICE OF NAVAL RESEARCH Address (line 2) OFFICE OF COUNSEL Address (line 3) 800 NORTH QUINCY STREET Address (line 4) ARLINGTON VA **Pages** Enter the total number of pages of the attached conveyance document including any attachments. Application Number(s) or Patent Number(s) Mark if additional numbers attached Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(s) Patent Number(s) 6220914 If this document is being filed together with a new Patent Application, enter the date the patent application was Month Day Year signed by the first named executing inventor. Patent Cooperation Treaty (PCT) **PCT PCT** PCT **Enter PCT application number** only if a U.S. Application Number PCT **PCT** PCT has not been assigned. **Number of Properties** 1 Enter the total number of properties involved. No fee req Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ Method of Payment: Enclosed Deposit Account **Deposit Account** (Enter for payment by deposit account or if additional fees can be charged to the account.) **Deposit Account Number:** Authorization to charge additional fees: 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. THOMAS E. MCDONNELL Signature Name of Person Signing

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DEPARTMENT OF THE NAVY

CONFIRMATORY INSTRUMENT

APPLICATION FOR (TITLE OF INVENTION) Method Of Forming Gated Photocathode For Controlling Single And Multiple Electron Beam Emission							
INVENTOR(S) C. Neil Berglund, Kim Y. Lee, Marian Mankos, Tai-Hon Philip Chang							
SERIAL NO. 09/052,903 (US Patent 6,220,914)	FILING DATE 11/29/99 (Issue Date 4/24/01)						
CONTRACTOR Etec Systems, Inc.	CONTRACT NO. N00019-97-C-2010						
The Invention identified above is a "subject Invention" under Patent Rights Cla	FAR 52.227.12 Patent Rigths - Retention by the (identify clause by title and date)						
Contractor (Long Form) (Jan 1997) included in Contract No. N00018	9-97-C-2010 with						
Etec Systems, Inc which clause (does) (does not) include the communications satellite paragraph of ASPRR 7-302.23(g). (specify government agency)							
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(Seal)	CONTRACTOR Saul E. Arnold Director, Legal, Mask Business Sector CONTRACTOR'S OFFICIAL AND TITLE						
	Etec Systems, Inc. 26460 Corporate Avenue Hayward, CA 94545						
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