

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the Remove Assignor: Moroz, Stanley A. previously recorded on Reel 024217 Frame 0852. Assignor(s) hereby confirms the ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)..	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	Stan A. Moroz	11/17/2011
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	The Government of the United States of America, as represented by the Secretary of the Navy	
<b>Street Address:</b>	4555 Overlook Avenue SW	
<b>Internal Address:</b>	Code 1008.2	
<b>City:</b>	Washington	
<b>State/Country:</b>	DISTRICT OF COLUMBIA	
<b>Postal Code:</b>	20375	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	12232943
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(202)404-7380	
<b>Phone:</b>	202-404-1553	
<b>Email:</b>	patent.docketing@nrl.navy.mil	
	<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	Kerry Broome	
<b>Address Line 1:</b>	4555 Overlook Avenue SW	
<b>Address Line 2:</b>	Code 1008.2	
<b>Address Line 4:</b>	Washington, DISTRICT OF COLUMBIA 20375	
<b>ATTORNEY DOCKET NUMBER:</b>	98108-US2	
<b>NAME OF SUBMITTER:</b>	Kerry Broome	

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**501738818**

**PATENT**  
**REEL: 027300 FRAME: 0337**

**Total Attachments: 7**

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## ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION,

I, the undersigned hereby agree to assign for said good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

Cardinal Scientific, Inc., whose mailing address is, 20 Irongate Drive, Waldorf, Maryland, 20602, USA. a corporation organized under the laws of the state/country of Maryland as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

### METHOD AND SYSTEM FOR DETECTING RETROREFLECTORS

described in an application for Letters Patent of the United States, identified as Attorney Docket No. CARDINALSCIFI-001-US, Customer No. 62008 at Maier & Maier, PLLC, 1000 Duke Street, Alexandria, VA 22314, and filed on September 26, 2008, as U. S. Patent Application No. 12/232,943, and the invention(s) and improvement(s) set forth therein, and any and all conversions, continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. I request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

I agree that, when requested, I will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

I authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.



APB  
Inventor's Signature

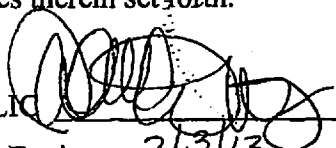
3/31/2009  
DATE

Andrew P. Brosky  
Inventor's Printed Name

STATE OF Maryland,

COUNTY OF Prince George's <sup>SS</sup>

On this 31 day of March, 2009, before me personally came the above named Andrew P. Brosky who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC   
My Commission Expires: 2/3/13

Sarah Combs  
Notary Public - Maryland  
My Commission Expires Feb. 3, 2013

**ASSIGNMENT BY INVENTOR (UNITED STATES PATENTS)**

**THIS ASSIGNMENT**, made by Stan A. Moroz (hereinafter referred to as Assignor);

**WHEREAS**, Assignor, while employed by the Government of the United States, has invented certain new and useful improvements in METHOD AND SYSTEM FOR DETECTING RETROREFLECTORS, set forth in a Patent application for Letters Patent of the United States, already filed on September 26, 2008 as U.S. Application No. 12/232,943; and

**WHEREAS**, The Government of the United States of America, as represented by the Secretary of the Navy, a Federal Agency (hereinafter referred to as the Government), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**WHEREAS**, by acquiring the Assignors' entire right, title, and interest in and to the invention the Government will be enabled to license the invention and share the income from the licensing with the Assignors as allowed by law;

**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 Assignors' entire right, title, and interest therein, including the 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 sufficient consideration, the receipt of which is hereby acknowledged, Assignor has assigned, transferred and set over, and by these presents does assign, transfer and set over, unto the Government, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations

and continuations-in-part of said application, and any and all Letters Patent in the United States which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, the same to be held and enjoyed by the Government, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this assignment not been made.

**AND** for the same consideration, Assignor hereby represents and warrants to the Government, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to the Government under law or that have already been transferred to the Government, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignor hereby covenants and agrees to and with the Government, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to the Government, its successors, legal representatives and assigns, whenever counsel of the Government, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of the Government, its successors, legal representatives and assigns.

**AND** the Assignor do hereby also grant unto the Government, the option to take the Assignor' 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 and/or any provisional application 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 Assignor 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 for use in behalf of the Government and/or in furtherance of the foreign policies of the Government .

**AND** the Assignor 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.

**AND** Assignor hereby appoints all practitioners at Customer Number 26384, all of US Naval Research Laboratory, 4555 Overlook Ave, SW, Washington, DC 20375, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make



alterations and amendments therein, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

**AND** Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office any foreign patent office for recordation of this document:

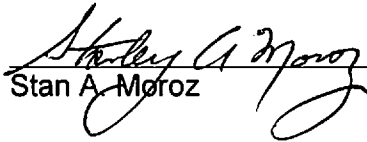
US NAVAL RESEARCH LABORATORY

All practitioners at Customer Number 26384.

Date:

11/17/11

Signature:

  
Stan A. Moroz