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Dalf Vorance	Name: The United States of America	
Rolf Kasper Peter H. Hulton	Internal Address: Naval Undersea Warfare Center.	
Additional name(s) of conveying party(les) attached? Yes X No	Division, Newport , Office of Counsel	
3. Nature of conveyance/Execution Date(s):	Street Address: 1176 Howell Street	
Execution Date(s) 20 October 2009		
Assignment Merger		
Security Agreement Change of Name	City: Newport	
Joint Research Agreement	State: R.I.	
Government Interest Assignment	Country: USA Zip: 02841	
Executive Order 9424, Confirmatory License		
Other	Additional name(s) & address(es) attached? Yes X No	
	document is being filed together with a new application.	
A. Patent Application No.(s)	B. Patent No.(s)	
Navy Case No. 98595 12/587,332		
Additional numbers at	ttached? Yes No	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: _1	
Name: Office of Counsel, Bldg 11	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00	
Internal Address Naval Undersea Warfare Center		
Division, Newport	Authorized to be charged to deposit account	
Street Address: 1176 Howell Street	Enclosed	
	None required (government interest not affecting title	
City: Newport	8. Payment Information	
State: R. I. Zip: 02841	_	
Phone Number: 401-832-3653	December 14 area	
Fax Number: 401-832-1231	Deposit Account Number 14-0590	
Email Address:	Authorized User Name NUWC	
9. Signature: Day Paul A.	10/20/09	
Signature Signature	Date	
Jean-Paul A. Nasser	Total number of pages including cover sheet, attachments, and documents:	
Name of Person Signing	sneet, attachments, and documents.	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or malled to: Mall Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT REEL: 023448 FRAME: 0555 This assignment is being signed after filing, the U.S. Patent Application Serial No. is_____

ASSIGNMENT

WHEREAS, I/We, (1) ROLF G. KASPER OF OLD LYME CONNECTICUT and (2) PETER H. HULTON OF MARION, COUMASSACHUSETTS, while employed by the Government of the United improvements in AN AUTONOMOUS HYDROPHONE POSITION SYSTEM identified as ATTORNEY DOCKET No. 98595 and described America executed by me on 10/20/09	UNTY OF PLYMOUTH, COMMONWEALTH OF d States, have invented certain new and useful LOCATING AND TARGET TRACKING bed in application for Letters Patent of the United States
WHEREAS, the invention was jointly made with; em_ WHEREAS, the Government of the United States, represented as the Government, is desirous of acquiring an assignment of the inventi- benefits herein granted; and	by the Secretary of the Navy and hereinafter referred to
WHEREAS, the conditions under which the invention was made 1(a) of Executive Order 10096, to the entire right, title and interest there	de are such as to entitle the Government under Paragraph in, including foreign rights; and
WHEREAS, as to foreign rights, it is the policy of the Government	nent to obtain an option to exercise such rights;
NOW, THEREFORE, in consideration of the premises and oth is hereby acknowledged, I/We hereby assign and transfer to the Government invention within the United States of America, its territories and possess application and any continuation, division, or substitution thereof, and sureissue or extensions thereof, said invention, application and Letters Pate for which said Letters Patent may be granted, as fully and entirely as the not been made.	ment my entire right, title and interest in and to said sions, and the entire right, title and interest in and to said uch Letters Patent as may issue therefrom and any ent to be held by the Government to the end of the term
I/We do hereby also grant unto the Government, the option to the all patent applications or other forms of protection thereon in all countries may file, or cause to be filed, applications for Letters Patent or other for provided, however, that I may elect to take foreign rights in the invention the Government is not pursuing international patent protection within eight united States Letters Patent covering the invention, or within eight mont is later, subject to a nonexclusive, irrevocable, royalty-free license to the which may issue on said invention in any foreign country, including the Government and/or in furtherance of the foreign policies of the Government.	es foreign to the United States in which the Government ms of protection, without payment of any consideration; on, or applications or other forms of protection thereon, if ght months of the filing date of any application for this from the declassification of the invention, whichever a Government in any patent or other form of protection power to issue sub-licenses for use on behalf of the
I/We hereby further agree to make, execute, and deliver to the statements, or other instruments that may be necessary in the prosecution substitution of the application, or any application for reissue or extension every way in protecting the invention as may be requested, provided that by the Government.	on of the application and of any continuation, division or no f said Letters Patent, and to assist the Government in
IN TESTIMONY WHEREOF, I/We have set my hand and aff	ixed my seal.
10/20/2009 Date ROLF G. KAS 10/19/2009	Seal Seal
10/19/2009 PETER H. HU	L. Hult Seal

RECORDED: 10/30/2009

PATENT REEL: 023448 FRAME: 0556