12-16	3-1998			
# Chart Mc (0551-0011 (axt) 4/94) (\'\		HEET	U.S. DEPARTMENT OF COMMERCI Patent and Trademark Office	
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To the Honorabi Commissioner of Jalents and Trademarks:	Please record the att	eched origine	documents or copy thereof.	
1. Name of conveying partitles. 12-14-98 Joseph Frankovich Dale Reynolds Additional name(s) of conveying party(les) attached? © Yes & No	Name: The Uni		nited States of America as y the Secretary of the Navy. S: CHIEF OF NAVAL RESPARCE	
Additional hame(s) of conveying party(es) attached? G. Yes. & Ro		OFFICE OF COUNSEL		
3. Nature of conveyance:		(ATTN	: CODE OOCCIP)	
20 Assignment D Merger	Street Address: BALLSTON TOWER ONE			
☐ Security Agreement ☐ Change of Name				
Other	Ony. ARREAMS			
Execution Date: 11/30/98 and 12/4/98	Additional name	e(s) & address(e	es) attached? 🔾 Yes ^X Q No	
 4. Application number(s) or patent number(s): If this document is being filed together with a new application A. Patent Application No.(s) 	on, the execution dat		ication is:	
09/178,536				
Additional numbers a	ttached? ☐ Yes 💆 No			
NC 79,0675. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number	of application	ns and patents involved:	
Name: ASSOCIATE COUNSEL (PATENTS)	7. Total fee (37 CFR 3.41)\$ 40.00			
Internal Address: NAVAL RESEARCH LABORATORY	☐ Enclosed			
(ATTN: CODE 3008.2)	₩ Authorize	d to be char	ged to deposit account	
Street Address: 4555 OVERLOOK AVENUE, S.W.	8. Deposit account number: 04-0814			
City: WASHINGTON, DC State: ZIP: 20375	(Attach duplicate	copy of this pa	ge if paying by deposit account)	
5/16/1339 286KW2 00000001 040014 031/0330	E THIS SPACE			
9. Statement and signature. To the best of my knowledge and belief, the foregoing information the original document. THOMAS E. McDONNELL Reg. No. 26950 Name of Person Signing Total number of pages including	Signature	4_	1/Pec 98 Date	

PATENT REEL: 9635 FRAME: 0494

ASSIGNMENT

WHEREAS, we, Joseph Frankovich and Dale Reynolds, while employed by the Government of the United States, have invented certain new and useful improvements in "A MEANS FOR EXTRACTING PHASE INFORMATION FOR RADIO FREQUENCY DIRECTION OF ARRIVAL", identified as Navy Case No. 79,067 and described in application for Letters Patent of the United States of America U.S. Application Serial No. 09/178,536 filed on 10-26-98; and:

WHEREAS, the Government of the United States, represented by the Secretary of the Navy and hereinafter referred to as the Government, is desirous of acquiring an assignment of the invention disclosed in said application and other rights and benefits herein granted; and

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 entire right, title and interest therein, including 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 valuable consideration the receipt of which is hereby acknowledged, we hereby assign and transfer to the Government the entire rights, title and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division, or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the Government to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this assignment not been made.

We do hereby also grant unto the Government, the option to take the entire rights, 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 filed in foreign countries within eight months of the filing date of any application for United States Letters Patent 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 me 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 sublicenses for use in behalf of the Government and/or in furtherance of the foreign policies of the Government.

> PATENT REEL: 9635 FRAME: 0495

ASSIGNMENT (CONTINUATION)

We 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.

IN TESTIMONY WHEREOF, we have set our hands and affixed our seals.

12/4/98

1/30/98

RECORDED: 12/14/1998

Joseph Frankovich

Dale Reynolds

PATENT REEL: 9635 FRAME: 0496