RECORD AND DISCLOSURE OF INVENTION

FOR USE BY NAVY INTELLECTUAL PROPERTY OFFICE

DATE DISCLOSURE RECEIVED

NAVY CASE NO.

INSTRUCTIONS: A Navy employee should use this form when submitting an invention disclosure to the Department of the Navy, Fill each blank with the requested information or enter "NONE" as appropriate. Original and two copies should be printed or typed and forwarded to the intellectual property office responsible for providing services to your activity. Where space on the form is inadequate, enter "see attached page," use plain pages as needed, and identify item by number. When completely executed, this form becomes an important legal document useful in proving priority of invention. This form may also be used by a contractor or grantee for disclosing an invention to the Navy.

PART 1. RECORD OF INVENTION ADDRESS POSITION TITLE EMPLOYER (Activity & Code No., or Company & address)					
1. INVENTOR(S)	ADDRESS	POSITION TITLE	EMPLOYER (AGRARY &	Code No., or Company & accordant	
			NAVAIR / NAWCA	D / Air 4,3,5,1	
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				Y	
2. DESCRIPTIVE TITLE OF INVENTION			X		
Piezoelectricity-induced Room	Temperature Superconductor				
3. CONCEPTION, INITIAL RECORDS A	NO RESULTS OF FIRST MODEL				
a CONCEPTION, INTIAL RECORDS A	ENTION WAS CONCEIVED (Identify po	ersons and records to support date i	and place)		
February 01, 2017 -					
February 01, 2017 – work on Navy Case PAX 233 at NAVAIR, NAS Patuxent River.					
5. DATE AND PRESENT LOCATION	OF FIRST SKETCH, DRAWING OR PI	OTO AND FIRST WRITTEN DESC	RIPTION (Such as notebook	k entries, etc.)	
N/A					
C. DATE AND PLACE OF COMPLETION OF FIRST MODEL, PROTOTYPE, PRELIMINARY SYNTHESIS, FORMULATION, ETC., AND ITS PRESENT LOCATION					
N/A					
d. DATE AND PLACE OF FIRST TEST OR OPERATION AND THE RESULTS (Give name and address of witnesses, and present location of records)					
N/A					
4. OTHER RECORDS (Notebook entrie	4, OTHER RECORDS (Notebook entries, descriptions, reports, drawings, etc.)				
IDENTIFICATION		DATE OF DOCUMENT	PRESENT LOCATION		
N/A					
				\	
		,			
5. OTHER INDIVIDUALS TO WHOM INVENTION WAS DISCLOSED					
NAME	ACTIVITY OR COMPANY INDIVIDUAL REPRESENTS		DATE DISCLOSED	TYPE (oral or written disolosures)	
	NAVAIR CTO (Air 4.0T)		05-17-2017	written	
	NAVAIR Office of Counsel		05-17-2017	written	
	NAVAIR TTO		05-17-2017	written	
	NAVAIR / NAWCAD		05-17-2017	written	
	Air 4.3.5, 4.3T		05-17-2017	written	
	Air 4.3.5.1		05-17-2017	written	

6. DATE AND PLACE OF OTHER TESTS OR OPE	RATIONS, AND THE RESULTS (List nat	ne and address of witnesses and identify present location of records)		
N/A				
7. IDENTIFY ANY PAST, PRESENT OR CONTEM	PLATED USE, SALE, OR PUBLICATION	N OF THE INVENTION		
Informed	nal of the theory (for verification) bei	Find the invention, in writing (04/2017). Plan to publish		
theoretical and or experimental results if NISE	E BAR section 219 funding is obtained	ed in FY'19.		
8. LIST ANY CLOSELY RELATED PATENTS, PAT				
	HAZ C	3 - filed with the United States Patent & Trademark Office Serial n temperature superconductivity in special composite wiring.		
	PART II, DISCLOSURE OF INVE	INTION		
Attach on separate sheets of paper a full and compl a, PURPOSE. State the purpose of the Invention	ń.			
The investige discloses a system for achieving roo	m temperature superconductivity (RTSC) In a current-carrying special composite 'metallic' wire.		
This concept enables the transmission of electrical	l power without any losses, which leads t zation.	the design and development or hover energy generation and		
b. BACKGROUND. Describe the old methods, n	naterials or apparatus used to perform th	no purpose of the invention and give their limitations and		
At this point in time, room temperature supercondu	alcody and completely the hest made of	ct exist, to the best of my knowledge, after extensive research. The invention and give a detailed description of its operation and		
 c. DESCRIPTION AND OPERATION. Describe use. Sketches, prints, photos, or other illustrations. 	clearly and completely the best mode of itions should be attached. In the descript	The invention and give a detailed description of its operation and than, use reference characters to refer to components in attached		
mmon t + + + t_a t_a t_a n n n n n n n n n	al composite 'metallic' wire which is abru	ptly vibrated by mechanical or electrical means. The wire is a luminum, of a thickness on the order of the London penetration		
composed of a bulk (core) insulator with a 'thi depth (micron-size, but possibly much thicker effect	in' considering an externally applied mag	metic field. The current can be steady, or pulsed for maximum		
Strong electron-lattice interactions physically drive strengthened to a very high degree by abrupt	room temperature superconductivity, an	nd the coupling between the electrons and the ion lattice is		
For the electrically-driven vibration, the wire is coal effect can be induced. Since the RTSC super can be termed an unconventional superconduction.	ited with lead zirconate titanate ('poor' mi rourrent may possibly be generated along uctor.	etal / ceramic), or any other material in which the plezoelectric g the metal / insulator interface (boundary), this wire configuration		
d. ADVANTAGES AND NEW FEATURES, State	e the advantages of the invention over th	ha old methods, materials or apparatus described in paragraph b.		
I form uniting with which to executery externally	rannlad magnetic fields, thus enabling 11	u ator core composite wire, we can obtain much higher magnetic he Melssner effect to a much higher degree than by using ts in much higher chances of RTSC enablement.		
e. ALTERNATIVES, Indicate any alternative me	ethods, materials, or apparatus of the inv	rention.		
No alternatives in existence. At this point in time, r	room temperature superconductors (at 3)	(O deg. Kelvin of above) do not exist, to my knowledge.		
f. CONTRIBUTIONS BY INVENTORS, If this is Not Applicable — I am the sole inventor.	a joint invention, indicate what contribut	Ani wao mawa uy dawii diventur.		
	PART III. CERTIFICATION OF IN	VENTORS		
I certify that the invention disclosed herein and in answers are true to my best knowledge and belief	the attached documents is the 📑 sole	[] joint invention of the undersigned and that the statements and		
Date	Signature			
05/18/2017				
3	**************************************			
PART IV. CERTIFICATION OF WITNESSES				
I certify that the invention described herein and in the attached documents has been disclosed to and understood by me.				
Date	Sigr	siness Address		
5/12/17		WALLES MAN OND		
Date	Signature	siness Address		