

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Donald R. Longo</td><td>01/31/2011</td></tr><tr><td>Donald D. Dalessandro</td><td>01/31/2011</td></tr><tr><td>Qing Dong</td><td>01/31/2011</td></tr><tr><td>Frank T. Ferrese</td><td>01/31/2011</td></tr><tr><td>John Roach</td><td>02/04/2011</td></tr><tr><td>Michael G. Zink</td><td>01/31/2011</td></tr></tbody></table>		Name	Execution Date	Donald R. Longo	01/31/2011	Donald D. Dalessandro	01/31/2011	Qing Dong	01/31/2011	Frank T. Ferrese	01/31/2011	John Roach	02/04/2011	Michael G. Zink	01/31/2011
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RECEIVING PARTY DATA															
<table border="1"><tr><td>Name:</td><td>The United States of America as represented by the Secretary of the Navy</td></tr><tr><td>Street Address:</td><td>875 North Randolph Street</td></tr><tr><td>Internal Address:</td><td>One Liberty Center, Code OOCIP</td></tr><tr><td>City:</td><td>Arlington</td></tr><tr><td>State/Country:</td><td>VIRGINIA</td></tr><tr><td>Postal Code:</td><td>22203-1995</td></tr></table>		Name:	The United States of America as represented by the Secretary of the Navy	Street Address:	875 North Randolph Street	Internal Address:	One Liberty Center, Code OOCIP	City:	Arlington	State/Country:	VIRGINIA	Postal Code:	22203-1995		
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PROPERTY NUMBERS Total: 1															
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Application Number:	13021580														
CORRESPONDENCE DATA															
Fax Number:	(301)227-1968														
Phone:	301-227-1835														
Email:	stacey.finley@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>															
Correspondent Name:	Howard Kaiser, Code 004, Building M														
Address Line 1:	Office of Patent Counsel, NSWCCD														
Address Line 2:	9500 MacArthur Blvd.														
Address Line 4:	West Bethesda, MARYLAND 20817-5700														

CH \$40.00 13021580

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PATENT
REEL: 027236 FRAME: 0652

ATTORNEY DOCKET NUMBER:	98,633
NAME OF SUBMITTER:	Stacey C. Finley
Total Attachments: 2 source=98633_Recordation_Assignment#page1.tif source=98633_Recordation_Assignment#page2.tif	

ASSIGNMENT OF INVENTION

WHEREAS I (we) **Donald R. Longo** of Pittsgrove, New Jersey and **Donald D. Dalessandro** of Williamstown, New Jersey and **Qing Dong** of Birdsboro, Pennsylvania and **Frank T. Ferrese** of Haddon Heights, New Jersey and **John Roach** of Herriman, Utah and **Michael G. Zink** of Marlton, New Jersey, respectively, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled **Thermal Management Smart Valve with Rupture Detection and Isolation**, identified as **Navy Case No. 98,633** and described in application for Letters Patent of the United States of America as executed by me (us) on X 30 January 2011 2011.

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, the Government desires to obtain the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, the Government desires an option to obtain the foreign rights in and to the invention;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration the receipt of which is hereby acknowledged, I (we) hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, 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 United States of America as represented by the Secretary of the Navy 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 (us) had this assignment not been made.

I (We) do hereby also grant to the Government, the option to take the entire right, title, and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to me (us) within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to me (us) subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the 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.

I (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 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, I (we) have set my (our) hand(s) and affixed my (our) seal(s).

X 1/30/2011
Date

X 1/31/2011
Date

X 1/31/2011
Date

X 1/30/2011
Date

X _____
Date

X 1-31-2011
Date

X [Signature] Seal
DONALD R. LONGO

X [Signature] Seal
DONALD D. DALESSANDRO

X [Signature] Seal
QING DONG

X [Signature] Seal
FRANK T. FERRESE

X _____ Seal
JOHN ROACH

X [Signature] Seal
MICHAEL G. ZINK

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X
Date

X Seal
DONALD D. DALESSANDRO

X
Date

X Seal
QING DONG

X
Date

X Seal
FRANK T. FERRESE

X 2/4/2011
Date

X Seal
JOHN ROACH

X
Date

X Seal
MICHAEL G. ZINK