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To the Honorable Commissioner of Patents & Trademarks: Please

OFFICE OF PATENT RECORDS

2003 FEB 19 AM 8:53

FINANCE SECTION

1. Name of conveying party(ies): Kenneth J. Wilson, Timothy P. Parr,  
Ken Yu, Jaul Warren  
Additional name(s) of conveying party(ies) attached  
yes/ X no

2. Name & address of receiving party(ies):

Name: **The United States of America as  
Represented by the Secretary of the Navy**

Internal Address: **Chief of Naval Research,  
Office of Counsel, Code OCCC**

Street Address: **Ballston Tower One  
800 N. Quincy Street**

City: **Arlington** State: **VA** Zip: **22217-5660**

Additional name(s) & address(es) attached? ☐ yes ☒ no

3. Nature of conveyance:

☒ Assignment ☐ Merger ☐ Security Agreement  
☐ Change of Name ☐ Other

Execution Date: February 11, 2003

4. Application number(s) or patent number(s):

2119103

If this document is being filed together with a new application, the execution date of the application is: February 11, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Serial No

Navy Case No. 83598

10337667

Additional numbers attached ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **CHARLENE A. HALEY**  
Internal Address: **COMMANDER  
OFFICE OF COUNSEL, K00000D  
NAVAIRWARCENWPNDIV**

Street Address: **1 ADMINISTRATION CIRCLE**

City **CHINA LAKE** State: **CA** Zip: **93555-6100**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41) ..... \$ **40.00**

☐ Enclosed ☒ **Authorized to be charged to deposit account**

8. Deposit Account Number: **50-0931**

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

**CHARLENE A. HALEY, P52,983**  
Name of Person Signing

Signature

Date

2/11/03

CERTIFICATE OF MAILING (37 CFR §1.8a)

I hereby certify that these papers, along with any paper referred to as being attached or enclosed, are being deposited with the United States Postal Service on the date shown below with sufficient postage in an envelope addressed to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

By:

Val Hall

Date:

2/11/03

Total number of pages including, cover sheet, attachments, and document: **8**

02/20/2003 LMUELLER 00000130 500931 10337667

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PATENT  
REEL: 013760 FRAME: 0826

## ASSIGNMENT

WHEREAS, we, **Kenneth J. Wilson, Timothy P. Parr, and Warren Jaul** of Ridgecrest, California, and **K. Yu** of College Park, Maryland, while employed by the Government of the United States, have invented certain new and useful improvements in:

**APPARATUS AND METHOD OF USING SUPERSONIC COMBUSTION HEATER FOR  
HYPERSONIC MATERIAL AND PROPULSION TESTING**

identified as Navy Case No. 83598, described in application for Letters Patent of the United States of America executed by us on February 11, 2003, ~~XXXX~~ 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 promises and other good and valuable consideration the receipt of which is hereby acknowledged, we hereby assign and transfer to the Government 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 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 us had this assignment not been made.

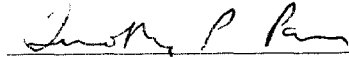
We do hereby also grant unto the Government, the option to take the entire right, title and interest in the invention and all patent applications or other forms of protection thereon in all countries foreign to the United States in which the Government may file, or cause to be filed, applications for Letter 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 Letter Patent covering the invention, or within eight months from the declassification of the invention, whichever is later, and that all foreign rights exercised under the option are left to us 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.

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.

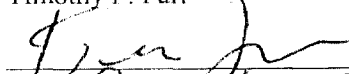
IN TESTIMONY WHEREOF, we have set our hand and affixed our seal.



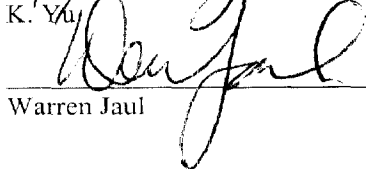
Kenneth J. Wilson

Date 2/11/03

Timothy P. Parr

Date 2/11/03

K. Yu

Date 2/11/03

Warren Jaul

Date 2/11/03

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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 promises and other good and valuable consideration the receipt of which is hereby acknowledged, we hereby assign and transfer to the Government 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 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 us had this assignment not been made.

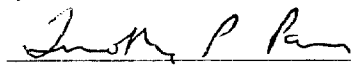
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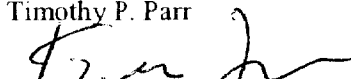
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Kenneth J. Wilson

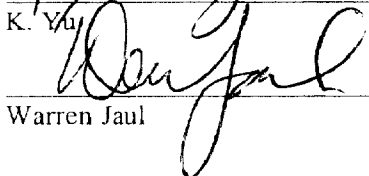
Date 2/11/03

  
Timothy P. Parr

Date 2/11/03

  
K. Yu

Date 2/11/03

  
Warren Jaul

Date 2/11/03

**Declaration and Power of Attorney for Patent Application**

As below named inventors, we hereby declare that:

Our residences, post office addresses, and citizenship is as stated below next to our names.  
We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**APPARATUS AND METHOD OF USING A SUPERSONIC COMBUSTION HEATER FOR  
HYPERSONIC MATERIALS AND PROPULSION TESTING**

the specification of which is being filed in this Application.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

POWER OF ATTORNEY: As the named inventors, we hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith and hereby certify that the Government of the United States has the irrevocable right to prosecute this application:

CHARLENE A. HALEY  
Registration No. P52,983

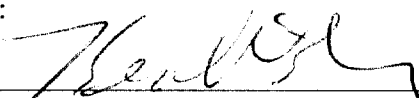
SEND CORRESPONDENCE TO:  
COMMANDER  
772000D PATENT COUNSEL OFFICE  
NAVAIRWARCENWPNDIV  
1 ADMINISTRATION CIRCLE  
CHINA LAKE, CA 93555-6100

DIRECT TELEPHONE CALLS TO:  
CHARLENE A. HALEY  
Assistant Counsel for Intellectual Property  
(760) 939-4177

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Kenneth J. Wilson  
Residence: 1213 Flora Way, Ridgecrest, CA 93555  
Post Office Address:

Citizenship: USA

Inventor's signature 

Date 2/11/03

Full name of second inventor: Timothy P. Parr  
Residence: 934 E. Jarvis, Ridgecrest, CA 93555  
Post Office Address:

Citizenship: USA

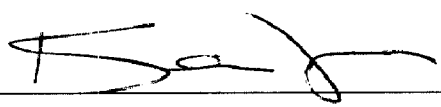
Inventor's signature 

Date 2/11/03

Full name of third inventor: Ken Yu  
Residence: 9465 Copenhaver Dr., Potomac, MD 20854

Citizenship: USA

Post Office Address:

Inventor's signature  \_\_\_\_\_

Date 2/11/03

Full name of fourth inventor: Jaul Warren  
Residence: 1124 Evelyn Court, Ridgecrest, CA 93555

Citizenship: USA

Post Office Address:

Inventor's signature  \_\_\_\_\_

Date 2/11/03

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Post Office Address:

Citizenship: USA

Inventor's signature 

Date 2/11/03

Full name of second inventor: Timothy P. Parr  
Residence: 934 E. Jarvis, Ridgecrest, CA 93555  
Post Office Address:

Citizenship: USA

Inventor's signature 

Date 2/11/03

Full name of third inventor: Ken Yu  
Residence: 9465 Copenhaver Dr., Potomac, MD 20854

Citizenship: USA

Post Office Address:

Inventor's signature 

Date 2/11/03

Full name of fourth inventor: Jaul Warren  
Residence: 1124 Evelyn Court, Ridgecrest, CA 93555

Citizenship: USA

Post Office Address:

Inventor's signature 

Date 2/11/03