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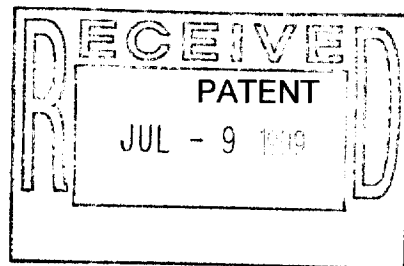
NYDEGGER & ASSOCIATES

ATTORNEYS AT LAW

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Jeffery J. Spitzer et al.	)
		)
Serial No.:	09/219,964	) Art Unit
		) 3747
Filed:	December 24, 1998	)
		)
For:	TWO-STROKE DIESEL ENGINE	)
		)
Examiner:	Unknown	)
		)
Attorney Docket:	11169.6	)

TRANSMITTAL OF ASSIGNMENT

Box Assignments  
Commissioner of Patents  
and Trademarks  
Washington, D. C. 20231

07/13/1999 MTH:11 00000046 09219964

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Please record the enclosed original patent Assignment in the United States Patent and Trademark Office.

1. Name of conveying parties:

Jeffery J. Spitzer  
24414 Novato Place  
Ramona, California 92065

Clifford A. Manzke  
5279 Vickie Drive  
San Diego, California 92109

2. Name and address of receiving party:

General Atomics Aeronautical Systems, Inc.  
16761 Via Del Campo Court  
San Diego, California 92127-1713

3. Nature of conveyance: Assignment

Execution Date: December 10, 1998

4. Application number:

Patent Application No. 09/219,964

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

Neil K. Nydegger, Esq.  
NYDEGGER & ASSOCIATES  
348 Olive Street  
San Diego, California 92103  
Telephone: (619) 688-1300

6. Total number of applications and patents involved: 1

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

X Enclosed Check No. 11833

     Authorized to be charged to deposit account

8. Deposit account number: 14-1519

9. Statement and signature.

The undersigned declares that, to his best knowledge and belief, the information contained in this Transmittal of Assignment is correct, and that any attached copy of the Assignment is a true copy of the original document.

DATED this 8th day of July, 1999.

Respectfully submitted,



NEIL K. NYDEGGER  
Attorney for Applicant  
Registration No. 30,202

NYDEGGER & ASSOCIATES  
348 Olive Street  
San Diego, California 92103  
Telephone: (619) 688-1300

**ASSIGNMENT**

We, Jeffrey J. Spitzer, residing at 24414 Novato Place, Ramona, California 92065 and Clifford A. Manzke, residing at 5279 <sup>Vickie on</sup> ~~Vickie~~ Drive, San Diego, California 92109, have invented a method and apparatus entitled TWO-STROKE DIESEL ENGINE, hereinafter called the "invention."

Preferred embodiments of said invention are disclosed in a United States patent application executed concurrently herewith by us and now identified as File No. 11169.6 of the law firm of Nydegger & Associates, 4350 La Jolla Village Drive, Suite 950, San Diego, California 92122, and filed in the United States Patent and Trademark Office as Serial No. 09/ 219,964 on December 24, 1998. (We hereby authorize the attorneys of Nydegger & Associates to insert said serial number and filing date when known.)

The Assignee, General Atomics Aeronautical Systems, Inc., a corporation of the State of Delaware, having a principal place of business at 16761 Via Del Campo Court, San Diego, California 92127-1713, desires to secure the entire right, title and interest in said invention.

For good and valuable consideration paid to us by the Assignee, the receipt and sufficiency of which we hereby acknowledge, we HEREBY ASSIGN TO THE ASSIGNEE:

The entire right, title and interest in said invention in the above-identified United States patent application and in all divisions and continuations of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications which may be filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.


We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of our ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This Assignment and agreement shall be binding upon our heirs and legal representatives.

  
\_\_\_\_\_  
Jeffrey J. Spitzer

#### ACKNOWLEDGMENT

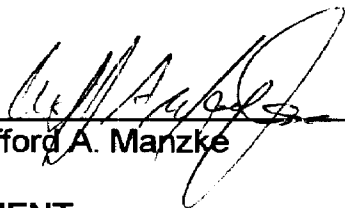
STATE OF CALIFORNIA    )  
                                          ) ss.  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, 1998, before me, \_\_\_\_\_, Notary Public, personally appeared Jeffrey J. Spitzer, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_ (Seal)

(Signatures Continued on Page 3)

  
\_\_\_\_\_  
Clifford A. Manzke

**ACKNOWLEDGMENT**

STATE OF CALIFORNIA    )  
                                      ) ss.  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, 1998, before me, \_\_\_\_\_, Notary Public, personally appeared Clifford A. Manzke, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_

(Seal)

assignment:jgc  
Docket: 11169.6

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**State of CaliforniaCounty of San DiegoOn 10 December 1998 before me, Lisa Ann West, Notary Public  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")personally appeared Jeff Spitzer and Cliff A. Manghe  
Name(s) of Signer(s)☒ personally known to me☐ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Lisa Ann West  
Signature of Notary Public**OPTIONAL**

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

**Description of Attached Document**Title or Type of Document: Patent AssignmentDocument Date: n/a Number of Pages: 2Signer(s) Other Than Named Above: n/a**Capacity(ies) Claimed by Signer(s)**Signer's Name: Jeff Spitzer☒ Individual☐ Corporate Officer

Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General☐ Attorney-in-Fact☐ Trustee☐ Guardian or Conservator☐ Other: \_\_\_\_\_RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here

Signer Is Representing:

SelfSigner's Name: Cliff A. Manghe☒ Individual☐ Corporate Officer

Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General☐ Attorney-in-Fact☐ Trustee☐ Guardian or Conservator☐ Other: \_\_\_\_\_RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here

Signer Is Representing:

Self