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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

IMPCO TECHNOLOGIES, INC.

11-5-03

- Individual(s) Association General Partnership Limited Partnership Corporation-State DELAWARE Other

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Execution Date: OCTOBER 31, 2003

2. Name and address of receiving party(ies)

Name: QUANTUM FUEL SYSTEMS TECHNOLOGIES WORLDWIDE, INC. Address:

Street Address: 17872 CARTWRIGHT ROAD

City: IRVINE State: CA Zip: 92614

- Individual(s) citizenship Association General Partnership Limited Partnership Corporation-State CALIFORNIA Other

If assignee is not domiciled in the United States, a domestic representative designation is attached: Yes No (Designations must be a separate document from assignment) Additional name(s) & address(es) attached? Yes No

OFFICE OF ORIGINAL RECORDS 2003 NOV - 5 AM 9:14P FINANCE SECTION

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

A. Trademark Application No.(s)

78/161,499

B. Trademark Registration No.(s)

Additional number(s) attached Yes No

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

Name: EDWARD A. SOKOLSKI

Internal Address:

Street Address: 3868 CARSON ST., STE 105

11/10/2003 ECOOPER 00000051 193129 78161499

01 FC:8521 40.00 DA

City: TORRANCE State: CA Zip: 90503

6. Total number of applications and registrations involved: 1

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

- Enclosed Authorized to be charged to deposit account

8. Deposit account number:

19-3129

(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.

EDWARD A. SOKOLSKI

Name of Person Signing

Signature

11/3/03 Date

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to: Commissioner of Patent & Trademarks, Box Assignments Washington, D.C. 20231

TRADEMARK REEL: 002861 FRAME: 0337


**TRADEMARK ASSIGNMENT**

Whereas assignor, **IMPCO TECHNOLOGIES, INC.**, a Delaware Corporation, located at 16804 Gridley Place, Cerritos, California 90703, has adopted, used and is using the following trademark(s):

**TRISHIELD: APPLICATION NO. 78/161,499 filed on September 6, 2002**

Whereas assignee, **QUANTUM FUEL SYSTEMS TECHNOLOGIES WORLDWIDE, INC.**, a Delaware Corporation, located at 17872 Cartwright Road, Irvine, California 92614, is desirous of acquiring said mark and the application thereof;

Now, therefore, for good and valuable consideration, receipt of which is hereby acknowledged, said assignor, **IMPCO TECHNOLOGIES, INC.** does hereby assign unto said assignee, **QUANTUM FUEL SYSTEMS TECHNOLOGIES WORLDWIDE, INC.**, all rights, title and interest in and to said mark together with the goodwill of the business symbolized by the mark, and the above identified trademark application thereof.

  
By: **Timothy Stone**  
Chief Financial Office  
Assignor

Executed at CERRITOS, CA Date 10-31-03