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**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**  
**Thomas J. Mueller**  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: **Space Exploration Technologies**  
Internal Address: \_\_\_\_\_

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) **07/21/05**  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

Street Address: **1310 East Grand Avenue**  
City: **El Segundo**  
State: **California**  
Country: **U. S.** Zip: **90245**  
Additional name(s) & address(es) attached?  Yes  No

**4. Application or patent number(s):**  This document is being filed together with a new application.  
A. Patent Application No.(s)  
B. Patent No.(s)  
Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: **Rachele Wittwer**  
Internal Address: **Irell & Manella LLP**  
Street Address: **1800 Avenue of the Stars Suite 900**  
City: **Los Angeles**  
State: **California** Zip: **90067**  
Phone Number: **(310) 277-1010**  
Fax Number: **(310) 203-7199**  
Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:** 1  
**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**  
a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number **09-0946**  
Authorized User Name **Norman E. Brunell**

**9. Signature:** /Norman E. Brunell Reg. #26533/ **08/04/05**  
Signature Date  
**Norman E. Brunell**  
Name of Person Signing  
Total number of pages including cover sheet, attachments, and documents: **2**

The PTO did not receive the following listed item(s) **Fee \$40.**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT OF APPLICATION

Docket Number (Optional)
158918-0017

Whereas, I/We, Thomas J. Mueller of Long Beach, California, hereafter referred to as applicant, have invented certain new and useful improvements in Pintle Injector Tip With Active Cooling

[ ] for which an application for a United States Patent was filed on Application Number

[X] for which an application for a United States Patent was executed on 07/21/05, and

Whereas, Space Exploration Technologies of El Segundo, California here referred to "assignee" whose mailing address is 1310 East Grand Avenue, El Segundo, CA 90245 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 21st day of July, 20 05 at EL SEGUNDO, CALIFORNIA

Handwritten signature of Thomas J. Mueller

Signature
Thomas J. Mueller

State of California )

County of Los Angeles )

SS:

Printed Name/Registration No., if applicable

Before me personally appeared said Thomas J. Mueller

and acknowledged the foregoing instrument to be his free act and deed this 21st day of July, 20 05

Seal [Handwritten signature]



Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below\*.

[X] Total of 1 forms are submitted.

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