

RECOF

09-25-2001

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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):

Cary L. COVER
Albert S. DRENDEL

09/17/01

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

2. Name and address of receiving party(ies)

Name: Alliant Techsystems Inc.

Internal Address: _____

Street Address: 5050 Lincoln Drive

City: Edina State: MN Zip: 55436

Additional Name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: September 17, 2001

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

09/954/26

If this document is being filed together with a new application, the execution date of the application is: September 17, 2001

A. Patent Application No.(s)
NEW APPLICATION

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Sullivan Law Group

Internal Address: _____

Street Address: 5060 North 40th Street

Suite 120

City: Phoenix State: AZ Zip: 85018

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

501324

(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.

David S. Taylor
Name of Person Signing

Signature

September 17, 2001
Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

09/24/2001 LUMELLER 00000114 501324 09954126

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PATENT
REEL: 012181 FRAME: 0225

11017 U.S. PTO
09/954126



09/17/01

PATENT RIGHTS ASSIGNMENT

This Assignment is made jointly and severally by Cary L. Cover, an individual, residing at 70 Cabot Court, Warwick, Md. 21912, and Albert S. Drendel, an individual, residing at 26 Cambridge Road, Elkton, Md. 21921 (hereinafter "Assignors"), to and in favor of Alliant Techsystems Inc., a Delaware corporation having its principal place of business at 5050 Lincoln Drive, Edina, MN 55436 (hereinafter "Assignee").

Whereas Assignors are the inventors of the invention described in the application for United States Letters Patent entitled "ROCKET THRUSTER COMPRISING LOAD-BALANCED PINTLE VALVE," filed herewith (hereinafter the "Patent Application"); and

Whereas Assignors desire to assign their entire right, title and interest in and to all patents, patent applications and the like on the above-identified invention to Assignee for valuable consideration; and

Whereas Assignee has provided such valuable consideration to Assignors;

Accordingly, the parties agree as follows:

1. Assignors hereby convey and assign to Assignee Assignors' entire right, title and interest in and to the Patent Application and the invention or inventions disclosed in it, including all continuation, continuation-in-part and divisional applications and all continuing prosecution applications based in whole or in part on the Patent Application, and including all patents and reissues resulting from it and/or them.
2. Assignors hereby assign to Assignee Assignors' entire right, title and interest in and to all counterparts to the Patent Application that have been or may be filed outside the United States, whether pursued as a patent, an inventor's certificate, a utility model or the like, including all rights of priority based on the Patent Application, further including all continuation, continuation-in-part and divisional applications and all continuing prosecution applications based in whole or in part on the non-U.S. counterparts, and still further including all patents, inventor's certificates, utility models and reissues based upon or resulting from any of the non-U.S. counterparts.
3. Assignors hereby grant to Assignee the sole and exclusive right to prosecute and have access to the Patent Application and all related applications as described in Paragraphs 1 and 2 above, as well as any opposition proceedings, reissue applications, reexaminations, and nullity or invalidity proceedings. Assignors authorize all governmental bodies having the power to issue patents, reissues, inventor's certificates or utility models to issue a patent, reissue, inventor's certificate or utility model based on the Patent Application or any related applications as described in Paragraphs 1 and 2 above in the name of Assignee.

1082-468

Albert S. Drendel

Albert S. Drendel

Date 09/17/2001

STATE OF MD)
County of Cecil) ss.
)

On this 17th day of September, 2001, Albert S. Drendel, who is known to me to be the person whose name is subscribed to the foregoing instrument, personally appeared and executed the foregoing instrument for the purposes therein contained.

IN WITNESS WHEREOF, I have set my hand and official seal.

John S. Blod
Notary Public

My Commission Expires:

Dec. 1, 2004

1082-468