

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | Supplemental Intellectual Property Security Agreement No. 1 |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------------------|----------------|
| Alliant Techsystems Inc. | 03/31/2004 |
| Pressure Systems, Inc. | 03/31/2004 |
| Programmed Composites Inc. | 03/31/2004 |
| AEC - Able Engineering Company, Inc. | 03/31/2004 |

RECEIVING PARTY DATA

| | |
|------------------------|------------------------|
| Name: | Bank of America, N.A. |
| Street Address: | 100 North Tryon Street |
| City: | Charlotte |
| State/Country: | NORTH CAROLINA |
| Postal Code: | 28255 |

PROPERTY NUMBERS Total: 18

| Property Type | Number |
|----------------|---------|
| Patent Number: | 4599832 |
| Patent Number: | 4761084 |
| Patent Number: | 4834561 |
| Patent Number: | 4969301 |
| Patent Number: | 5024111 |
| Patent Number: | 5154027 |
| Patent Number: | 5267424 |
| Patent Number: | 5296044 |
| Patent Number: | 5298085 |
| Patent Number: | 5487791 |
| Patent Number: | 5496414 |
| Patent Number: | 5578139 |
| | |

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|----------------|---------|
| Patent Number: | 5909197 |
| Patent Number: | 5961738 |
| Patent Number: | 6177627 |
| Patent Number: | 6218605 |
| Patent Number: | 6423895 |
| Patent Number: | 5222277 |

CORRESPONDENCE DATA

Fax Number: (646)848-4455
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 212-848-4455
Email: jlik@shearman.com
Correspondent Name: Alexander M. Kim
Address Line 1: 599 Lexington Avenue
Address Line 2: Shearman & Sterling LLP
Address Line 4: New York, NEW YORK 10022

| | |
|--------------------|------------------|
| NAME OF SUBMITTER: | Alexander M. Kim |
|--------------------|------------------|

Total Attachments: 6
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**SUPPLEMENTAL INTELLECTUAL PROPERTY SECURITY
AGREEMENT NO. 1**

This SUPPLEMENTAL INTELLECTUAL PROPERTY SECURITY AGREEMENT NO. 1 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "*IP Security Agreement*") dated March 31, 2004, is made by the Persons listed on the signature pages hereof (collectively, the "*Grantors*") in favor of Bank of America, N.A. ("*Bank of America*"), as Administrative Agent (the "*Administrative Agent*") for the Secured Parties (as defined in the Credit Agreement referred to below).

WHEREAS, Alliant Techsystems Inc., a Delaware corporation, has entered into a Credit Agreement dated as of March 31, 2004 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "*Credit Agreement*"), with Bank of America, N.A., as Administrative Agent, and the other Agents and the Arrangers party thereto. Terms defined in the Credit Agreement and not otherwise defined herein are used herein as defined in the Credit Agreement.

WHEREAS, as a condition precedent to the making of Loans by the Lenders and the issuance of Letters of Credit by the L/C Issuers under the Credit Agreement and the entry into Secured Hedge Agreements by the Hedge Banks from time to time, each Grantor has executed and delivered that certain Security Agreement dated March 31, 2004 made by the Grantors to the Administrative Agent (as amended, amended and restated, supplemented or otherwise modified from time to time, the "*Security Agreement*").

WHEREAS, under the terms of the Security Agreement, the Grantors have granted to the Administrative Agent, for the ratable benefit of the Secured Parties, a security interest in, among other property, certain intellectual property of the Grantors, and have agreed as a condition thereof to execute this IP Security Agreement for recording with the U.S. Patent and Trademark Office and other governmental authorities.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees as follows:

1. Grant of Security. Each Grantor hereby grants to the Administrative Agent for the ratable benefit of the Secured Parties a security interest in all of such Grantor's right, title and interest in and to the following (the "*Collateral*"):

(a) the patents and patent applications set forth on Schedule A hereto (the "*Patents*");

(b) the trademark and service mark registrations and applications set forth on Schedule B hereto (provided that no security interest shall be granted in United States intent-to-use trademark applications to the extent that, and solely during the period in which, the grant of a security interest therein would impair the validity or

enforceability of such intent-to-use trademark applications under applicable federal law), together with the goodwill symbolized thereby (the "*Trademarks*");

(c) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the foregoing, all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of such Grantor accruing thereunder or pertaining thereto;

(d) any and all claims for damages and injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages; and

(e) any and all proceeds of, collateral for, income, royalties and other payments now or hereafter due and payable with respect to, and supporting obligations relating to, any and all of the Collateral of or arising from any of the foregoing.

2. Security for Obligations. The grant of a security interest in, the Collateral by each Grantor under this IP Security Agreement secures the payment of all Obligations of such Grantor now or hereafter existing under or in respect of the Loan Documents, whether direct or indirect, absolute or contingent, and whether for principal, reimbursement obligations, interest, premiums, penalties, fees, indemnifications, contract causes of action, costs, expenses or otherwise.

3. Recordation. Each Grantor authorizes and requests that the Commissioner for Patents and Trademarks and any other applicable U.S. government officer record this IP Security Agreement.

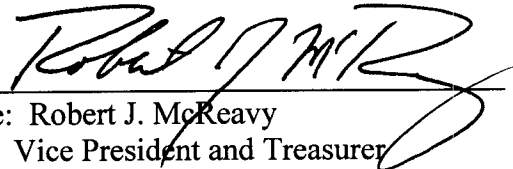
4. Execution in Counterparts. This IP Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

5. Grants, Rights and Remedies. This IP Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Administrative Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein.

6. Governing Law. This IP Security Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

IN WITNESS WHEREOF, each Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.


ALLIANT TECHSYSTEMS INC.

By: 
Name: Robert J. McReavy
Title: Vice President and Treasurer

Address for Notices:

5050 Lincoln Drive
Edina, MN 55436-1097
ATTN: Eric S. Rangen

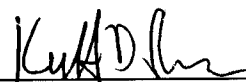
PRESSURE SYSTEMS, INC.

By: 
Name: Keith D. Ross
Title: Vice President and Secretary

Address for Notices:

5050 Lincoln Drive
Edina, MN 55436-1097
ATTN: Eric S. Rangen

PROGRAMMED COMPOSITES INC.

By: 
Name: Keith D. Ross
Title: Vice President and Secretary

Address for Notices:

5050 Lincoln Drive
Edina, MN 55436-1097
ATTN: Eric S. Rangen

AEC – ABLE ENGINEERING
COMPANY, INC.

By: Keith D. Ross

Name: Keith D. Ross

Title: Vice President and Secretary

Address for Notices:

5050 Lincoln Drive
Edina, MN 55436-1097
ATTN: Eric S. Rangen

SUPPLEMENT NO. 1 – SCHEDULE A

PATENTS

ISSUED PATENTS

| Patent Number | Issue Date | Application Number | Filing Date | Title | Owner |
|---------------|------------|--------------------|-------------|---|-------------------------------|
| 4,599,832 | 07/15/1986 | 06/688,795 | 01/04/1985 | Extendible Structures | AEC-Able Engineering Co., Inc |
| 4,761,084 | 08/02/1988 | 07/068,564 | 06/30/1987 | Bearing System With Redundant Race | AEC-Able Engineering Co., Inc |
| 4,834,561 | 05/30/1989 | 07/195,943 | 05/19/1988 | Bearing System With Redundant Race | AEC-Able Engineering Co., Inc |
| 4,969,301 | 11/13/1990 | 07/365,947 | 06/14/1989 | Relatchable Launch Restraint Mechanism For Deployable Booms | AEC-Able Engineering Co., Inc |
| 5,024,111 | 06/18/1991 | 07/428,395 | 10/30/1989 | Adjustment of Zero Spring Rate Suspensions | AEC-Able Engineering Co., Inc |
| 5,154,027 | 10/13/1992 | 07/758,266 | 08/26/1991 | Deployable/Retractable Mast Independently Rotatable When Deployed | AEC-Able Engineering Co., Inc |
| 5,222,277 | 06/29/1993 | 07/860,788 | 03/31/1992 | Intermittently and Reversibly Operable Hot Wax Energized Hinge | AEC-Able Engineering Co., Inc |
| 5,267,424 | 12/07/1993 | 07/866,029 | 04/09/1992 | Module For an Articulated Stowable and Deployable Mast | AEC-Able Engineering Co., Inc |
| 5,296,044 | 03/22/1994 | 07/847,720 | 03/06/1992 | Lightweight Stowable and Deployable Solar Cell Array | AEC-Able Engineering Co., Inc |
| 5,298,085 | 03/29/1994 | 07/857,542 | 03/24/1992 | Support Blanket For Solar Cell Arrays | AEC-Able Engineering Co., Inc |
| 5,487,791 | 01/30/1996 | 08/249,125 | 05/25/1994 | Stowable and Self-Deployable Parallelogram-Type Panel Array | AEC-Able Engineering Co., Inc |
| 5,496,414 | 03/05/1996 | 08/252,998 | 06/02/1994 | Stowable and Deployable Concentrator For Solar Cells | AEC-Able Engineering Co., Inc |
| 5,578,139 | 11/26/1996 | 08/368,774 | 01/03/1995 | Stowable and Deployable Solar Energy Concentrator With Fresnel Lenses | AEC-Able Engineering Co., Inc |
| 5,909,197 | 06/01/1999 | 08/832,982 | 04/04/1997 | Deployable Helical Antenna Stowage in a Compact Retracted Configuration | AEC-Able Engineering Co., Inc |
| 5,961,738 | 10/05/1999 | 08/903,123 | 07/30/1997 | Solar Array For Satellite Vehicles | AEC-Able Engineering Co., Inc |
| 6,177,627 | 01/23/2001 | 09/337,624 | 06/21/1999 | Solar Cell Array With Multiple Rows of Cells and Collapsible Reflectors | AEC-Able Engineering Co., Inc |
| 6,218,605 | 04/17/2001 | 08/841,526 | 04/23/1997 | Performance Optimizing System For a Satellite Solar Array | AEC-Able Engineering Co., Inc |
| 6,423,895 | 07/23/2002 | 09/805,308 | 03/12/2001 | Solar Array For Satellite Vehicles | AEC-Able Engineering Co., Inc |

SUPPLEMENT NO. 1 – SCHEDULE B
TRADEMARKS

None.