

10-13-98
MRD

R

10-13-1998

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



Tab settings

To the Honorable Commissioner of Patents

100848594

... and attached original documents or copy thereof.

1. Name of conveying party(ies):
**GREGORY T. KASSUELKE,
STEPHEN A. HAGLUND**

2. Name and address of receiving party(ies):

Name: Alliant Techsystems Inc.

Internal Address: _____

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address: 600 Second Street N.E.

City: Hopkins State: MN ZIP: 55343

Execution Date: 9/25/98

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

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

If this document is being filed together with a new application, the execution date of the application is: 9/25/98

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: George A. Leone

Internal Address: George A. Leone & Associates

Law Offices

Street Address: 2150 128 th Ave. N.W.

City: Minneapolis State: MN ZIP: 55448

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

08-0481 Alliant Techsystems Inc.

DO NOT USE THIS SPACE

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.

George A. Leone

09/29/98

Name of Person Signing

Signature

Date

4

PATENT

REEL: 9495 FRAME: 0772

09162680
00000073 010481
10/06/1998 BHINES
01 FC-01

ASSIGNMENT

Whereas, We, Gregory T. Kassuelke of Maple Grove, County of Hennepin, and Stephen A. Haglund of Minnetonka, County of Hennepin, both of the State of Minnesota, have invented certain new and useful improvements in **THERMAL WELDING OF FIBER REINFORCED THERMOPLASTIC PREPREG**, for which the attached application is executed on even day herewith; and

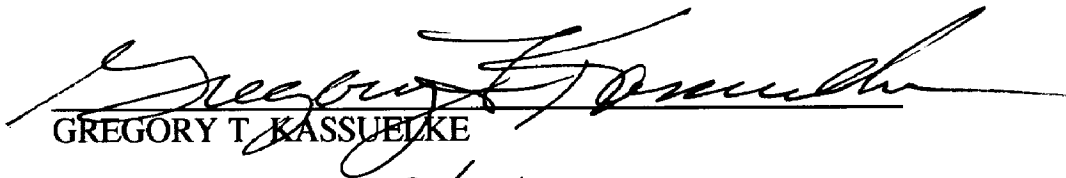
Whereas, ALLIANT TECHSYSTEMS INC., a corporation organized and existing under the laws of the State of Delaware, and having its principal offices at 600 Second Street N.E., Hopkins, Minnesota 55343-8384 USA is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefore;

Now, therefore, for good and valuable consideration to us paid by the said ALLIANT TECHSYSTEMS INC., the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said ALLIANT TECHSYSTEMS INC., its successors and assigns, our entire right, title and interest in and to said invention, said application and the Letters Patent, both foreign and domestic, that may or shall issue, including all of our rights under any and all international conventions, treaties and/or agreements concerning patents to which the United States is a party, and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned assignee in accordance herewith.

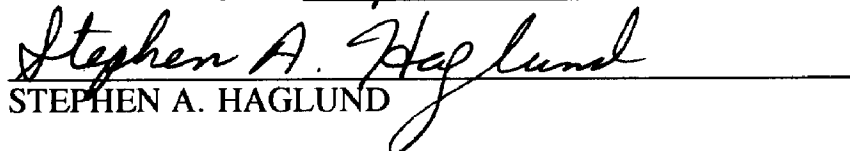
We further authorize said assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of any international convention, treaty and/or agreement.

We do hereby covenant and agree with the said assignee, its successors and assigns, that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will at any time upon request, without further or additional consideration, but at the expense of the said assignee, its successors and assigns, execute such additional writings and do such additional acts as said assignee, its successors and assigns, may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or any of and all foreign countries on said invention,

and in enforcing any rights, occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.


GREGORY T. KASSUELKE

Date Signed: 9/24-98, 1998


STEPHEN A. HAGLUND

Date Signed: 9-25, 1998