



102497843

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

1. Name of conveying party(ies): 7-14-03
Derek Devries
James Aadland
Daniel Holmes

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

2. Name and address of receiving party(ies)

Name: Alliant Techsystems Inc.

Address: M.S. MN01-2070, 5050 Lincoln Drive,
Edina, MN 55436-1097

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 6/17/03; 6/17/03; 6/23/03

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name: Joseph A. Walkowski
Signature: _____
Date: July 8, 2003

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

If this document is being filed together with a new application, the execution date of the application is:
A. Patent Application No.(s)
10/386,578

Additional numbers attached? Yes No

B. Patent No.(s)

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

Name: TraskBritt

Internal Address: _____

Street Address: P.O. Box 2550

City: Salt Lake City State: UT Zip: 84110

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:
20-1469

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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.
Joseph A. Walkowski
Name of Person Signing
Reg. No. 28,765

Attorney Docket No.: 2507-5809.1US (21857-US-01)

July 8, 2003
Date

Signature

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:

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Attorney Docket No. 2507-5809.1US

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

SELL, ASSIGN AND TRANSFER to Alliant Techsystems Inc. ("ASSIGNEE"), a corporation of the state of Delaware having a place of business at M.S. MN01-2070, 5050 Lincoln Drive, Edina, MN 55436-1097, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent Serial No. 10/386,578 filed on March 12, 2003, and entitled **ELECTRONIC SWITCHING SYSTEM FOR A DETONATION DEVICE, METHOD OF OPERATION AND EXPLOSIVE DEVICE INCLUDING SAME**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

AUTHORIZE the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

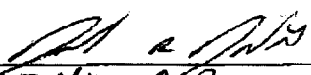
AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

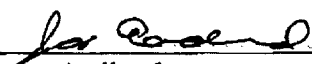
COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

AGREE and **ACKNOWLEDGE** that the **SALE, ASSIGNMENT AND TRANSFER** of rights and property set forth herein is and shall be **IRREVOCABLE** and **BINDING** upon the heirs, assigns, representatives and successors of each undersigned **ASSIGNOR** and **EXTEND** to the successors, assigns and nominees of the **ASSIGNEE**.


ASSIGNORS:



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Date 6-17-03
Patricia J. DeBruin 6/17/03

Date 6-17-03
Patricia J. DeBruin 6/17/03

Date 6-23-03

Document in ProLaw



Diane C. Hansen
6-23-03