

11-29-2002

Form PTO-1595
(Rev. 10/02)

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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

102296625

Tab settings

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

1. Name of conveying party(ies):

SCIENCE AND APPLIED TECHNOLOGY, INC.

11-20-02

2. Name and address of receiving party(ies)

Name: ALLIANT TECHSYSTEMS INC.

Internal Address:

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Street Address: 5050 LINCOLN DRIVE

City: EDINA State: MN Zip: 55436-1097

Execution Date: 10/25/2002

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

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) 10/268,170
60/354,548, & 10/270,864

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: LAW OFFICES OF BROOKS & FILLBACH

Internal Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 120.00

- Enclosed
- Authorized to be charged to deposit account

11/27/2002 TDIAZI 00000174 023979 10268170

01 FC:8021 120.00 CH

Street Address:

5010 N. PKWY CALABASAS, SUITE 104

City: CALABASAS State: CA Zip: 91302

8. Deposit account number:

02-3979

DO NOT USE THIS SPACE

9. Signature.

Michael B. Brooks

Name of Person Signing

Michael B. Brooks
Signature

11/20/02
Date

Reg. No. 39,921

Total number of pages including cover sheet, attachments, and documents: 5

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 013520 FRAME: 0193

ASSIGNMENT

Serial No. 60/354,548
Filed 5 February 2002

WHEREAS, SCIENCE AND APPLIED TECHNOLOGIES, Inc., a corporation of the state of CALIFORNIA, located at 10815 Rancho Bernardo Road, Suite 300, San Diego, California 92127-2113 (hereinafter called "Assignor"), is the assignee of all right, title, and interest in and to U.S. Provisional Patent Application Serial No. 60/354,548, entitled:

“DIGITAL SIGNAL GATING APPARATUS AND METHOD IN A PULSE RECEIVER SYSTEM”

filed with the United States Patent and Trademark Office on the 5th day of February, 2002; and

WHEREAS, ALLIANT TECHSYSTEMS INC. a corporation of the State of DELAWARE, (hereinafter called "Assignee"), is desirous of acquiring Assignor's entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of Eight Thousand Dollars (Four Thousand Dollars for U.S. Provisional Patent Application Serial No. 60/354,548, including, but not limited to the non-provisional application filed on 9 October 2002, Serial No. 10/268,170, entitled “Digital Signal Gating Apparatus and Method in a Pulse Receiver System” and Four Thousand Dollars for the non-provisional application filed on 15 October 2002, Serial No. 10/270,864, entitled “Pulse Sorting Apparatus for Frequency Histogramming in a Radar Receiver System”) to them moving, the receipt of which is hereby acknowledged, Assignor has sold, assigned, and transferred, and does hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application identified above by serial number, title and filing date, and in and to said provisional application, all non-provisional patent applications that claim priority from U.S. Provisional Patent Application Serial No. 60/354,548, including, but not limited to the non-provisional application filed on 9 October 2002, Serial No. 10/268,170, entitled “Digital Signal Gating Apparatus and Method in a Pulse Receiver System”, and the non-provisional application filed on 15 October 2002, Serial No. 10/270,864, entitled “Pulse Sorting Apparatus for Frequency Histogramming in a Radar Receiver System”, as well as all substitutions, divisions, continuations, and continuations-in-part thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, certificates of re-examination, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the

Assignments of Intellectual Property Rights

PATENT
REEL: 013520 FRAME: 0194

same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignor hereby authorizes Assignee to enter the subsequently issued serial numbers in the spaces above;

And Assignor hereby authorizes and requests the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

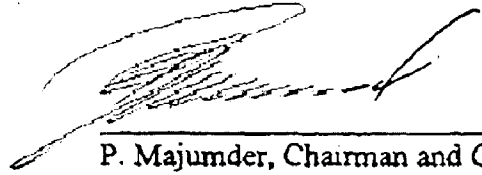
And for the consideration aforesaid, Assignor covenants and agrees with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignor further covenants and agrees that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

Assignments of Intellectual Property Rights

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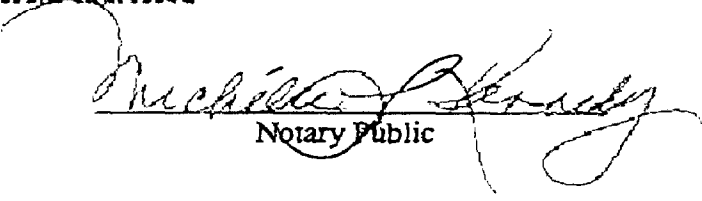
IN TESTIMONY WHEREOF, Assignor has hereunto set their hands and seals
this 25^m day of October, 2002



_____(L.S.)
P. Majumder, Chairman and CEO of
SCIENCE AND APPLIED TECHNOLOGY, INC.,
a corporation of the State of CALIFORNIA

STATE OF CALIFORNIA)
) ss.
COUNTY OF SAN DIEGO)

BE IT REMEMBERED, That on this 25th day of October, 2002, before me, a Notary Public,
personally appeared P. Majumder, who I am satisfied is the person named in and who executed
the foregoing instrument in my presence, and I having first made known to him the contents
thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act
and deed for the uses and purposes therein expressed



Notary Public

Assignments of Intellectual Property Rights