### 502261837 03/11/2013

# PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Daniel Tilmont	03/11/2013
Joseph A. Alifano	03/11/2013

### **RECEIVING PARTY DATA**

Name:	Alliant Techsystems Inc.	
Street Address:	7480 Flying Cloud Drive	
City:	Minneapolis	
State/Country:	MINNESOTA	
Postal Code:	55344	

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13793891

# **CORRESPONDENCE DATA**

**Fax Number**: 6123317401

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 612-331-7400

Email: docket@ipImgroup.com
Correspondent Name: IPLM Group, P.A.
Address Line 1: P.O. Box 18455

Address Line 4: Minneapolis, MINNESOTA 55418

ATTORNEY DOCKET NUMBER:	255-P-052USU1
NAME OF SUBMITTER:	Scott V. Lundberg

Total Attachments: 3

source=255P052USU1\_executedAssignment#page1.tif source=255P052USU1\_executedAssignment#page2.tif source=255P052USU1\_executedAssignment#page3.tif

PATENT REEL: 029965 FRAME: 0430 13793891

CH \$40.00

#### ASSIGNMENT

WHEREAS, we, Daniel Tilmont, residing at 15 Brookhaven Drive, Rocky Point, New York 11778, and Joseph A. Alifano, residing at 3 Palmer Lane, Commack, New York 11725, made certain new and useful improvements for which we believe that we are the original joint inventors, as described in U.S. Provisional Application Serial No. 61/664,015 filed June 25, 2012, entitled APPARATUSES AND METHODS IMPLEMENTING A DOWNHOLE COMBUSTOR and for which we made certain new and useful improvements for which we believe we are the original joint inventors of, and for which we authorized to be made an application for Letters Patent of the United States, that includes a claimed invention to the new and useful improvements, to be filed herewith, which is entitled HIGH EFFICIENCY DIRECT CONTACT HEAT EXCHANGER.

AND WHEREAS, Alliant Techsystems Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 7480 Flying Cloud Drive, Minneapolis Minnesota 55344 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to

PATENT REEL: 029965 FRAME: 0431 the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this//_ day of
MARCH , 20 <u>13</u> .
Daniel Tilmont
STATE OF NEW YORK )
STATE OF NEW YORK ) ss.  COUNTY OF SUFFOLK )
On this $11^{+1}$ day of $12^{-1}$ , 20 $13^{-1}$ , before me personally appeared Daniel
Tilmont to me known and known to me to be the person described in and who executed the foregoing
instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein
set forth.
[SEAL] DONNA L. ROMANO Notary Public, State Of New York No. 01RO6041592    Notary Public   Not
Qualified In Suffolk County  Commission Expires May 8, 20 14

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of
MARCH , 20/13.
Joseph A. Alfano
STATE OF NEW YORK )
STATE OF NEW YORK ) ss.  COUNTY OF SUFFOLK )
On this, 20_13, before me personally appeared Joseph
Alifano to me known and known to me to be the person described in and who executed the foregoing
instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein
set forth.
DONNA L. ROMANO [SEAL]  Notary Public, State Of New York No. 01R06041592 Qualified In Suffolk County Commission Expires May 8, 20 14