

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Daniel Tilmont</td> <td>03/11/2013</td> </tr> <tr> <td>Joseph A. Alifano</td> <td>03/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	Daniel Tilmont	03/11/2013	Joseph A. Alifano	03/11/2013
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							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13793891</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13793891		
Property Type	Number						
Application Number:	13793891						
CORRESPONDENCE DATA							
Fax Number:	6123317401						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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Correspondent Name:	IPLM Group, P.A.						
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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							

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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

