

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| 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>Henry S. Chu</td> <td>02/04/2011</td> </tr> <tr> <td>Benjamin R. Langhorst</td> <td>01/24/2011</td> </tr> <tr> <td>Michael P. Bakas</td> <td>01/26/2011</td> </tr> <tr> <td>Gary L. Thinnes</td> <td>01/27/2011</td> </tr> </tbody> </table> | | Name | Execution Date | Henry S. Chu | 02/04/2011 | Benjamin R. Langhorst | 01/24/2011 | Michael P. Bakas | 01/26/2011 | Gary L. Thinnes | 01/27/2011 |
| Name | Execution Date | | | | | | | | | | |
| Henry S. Chu | 02/04/2011 | | | | | | | | | | |
| Benjamin R. Langhorst | 01/24/2011 | | | | | | | | | | |
| Michael P. Bakas | 01/26/2011 | | | | | | | | | | |
| Gary L. Thinnes | 01/27/2011 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
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| Street Address: | 1000 Independence Avenue, S.W. | | | | | | | | | | |
| Internal Address: | GC-62, 6F-048 | | | | | | | | | | |
| City: | Washington | | | | | | | | | | |
| State/Country: | DISTRICT OF COLUMBIA | | | | | | | | | | |
| Postal Code: | 20585-0162 | | | | | | | | | | |
| 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>13022065</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13022065 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13022065 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
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| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | S-119,999 | | | | | | | | | | |
| NAME OF SUBMITTER: | Katherine Baldwin | | | | | | | | | | |

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Total Attachments: 4

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Joint

U.S. Department of Energy Patent Assignment Form

Whereas, we, Henry S. Chu; Benjamin R. Langhorst; Michael P. Bakas;
Gary L. Thinnes

have invented certain new and useful improvements in :

LIGHTWEIGHT ARMOR SYSTEM

, for which we are about to file an application for United States Letters Patent, identified as S-119,999

and;

WHEREAS, the Government of the United States desires to acquire the entire right, title, and interest in and to said invention and in and to any Letters Patent wherever they may be issued thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar to us in hand paid by the Government of the United States, and for other good and valuable consideration, the receipt of which is hereby acknowledged, we by these presents do sell, assign, and transfer unto the said Government of the United States, as represented by the United States Department of Energy, and/or its assigns, the entire right, title, and interest in and to the said invention and in and to any and all Letters Patent wherever they may be granted thereon as well as reissues and extensions of said Letters Patent are or may be granted, reissued, or extended, as fully and entirely as the same would have been held or enjoyed by us had this assignment not been made.

We agree to make, execute, and deliver unto the Government of the United States, or to the United States Department of Energy, any and all papers, documents, affidavits, renewal, divisional and reissue applications, statements, or other instruments in such usual or other forms, terms and contents as may be required by the United States Department of Energy, or its duly authorized representative, in or incident to the prosecution or conduct of any and all applications, before as well as after the issuance of any Letters thereon, or in the adjustment or settlement of any interferences or other actions or proceedings that said applications may encounter or in which they may become involved and we agree that we will encounter or in which they may become involved and we agree that we will aid the Government of the United States in every way in protecting the inventions as may be requested by the United States Department of Energy or its assigns, except that any expenses arising through extending such assistance will be paid for by proper arrangement with the Government of the United States.

Inventor:
 Full name of Inventor: Henry S. Chu
 Inventor's signature: *Hy Chu* Date Feb 4, 2011
 Street Address: 3455 Spring Creek Drive
 City, State: Idaho Falls, ID
 Citizenship: US

Witness to Signature:
 Full name of Witness: Kathryn J. Harris
 Witness' Signature: *Kat J Harris* Date 4 Feb 2011

Inventor:
 Full name of Inventor: Benjamin R. Langhorst
 Inventor's signature: *B. Langhorst* Date 1/24/11
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 City, State: Idaho Falls, ID
 Citizenship: US

Witness to Signature:
 Full name of Witness: Kathryn J. Harris
 Witness' Signature: *Kat J Harris* Date 1/24/11

Inventor:
Full name of Inventor: Michael P. Bakas
Inventor's signature: Michael P. Bakas Date 1/26/2011
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City, State: Ammon, ID
Citizenship: US
Witness to Signature:
Full name of Witness: Kathryn J. Harris
Witness' Signature: Kathryn J. Harris Date 1/26/11

Inventor:
Full name of Inventor: Gary L. Thimes
Inventor's signature: G. L. Thimes Date 1/27/11
Street Address: 619 West Pleasant Circle
City, State: Idaho Falls, ID
Citizenship: US
Witness to Signature:
Full name of Witness: Kathryn J. Harris
Witness' Signature: Kathryn J. Harris Date 27 Jan 2011

Contractor Approval and Consent:
Full Name: Linda Guinn
Signature: *Linda Guinn* Date 2-4-2011
Title: General Counsel and Secretary
Witness to Signature:
Full name of Witness: Kathryn J. Harris
Witness' Signature: *Kath J Harris* Date 4 Feb 2011

Government Acceptance:
Accepted for the Benefit of the Government of the United States.
Full Name: John T. Lucas
Signature: *[Signature]* Date 11/16/12
Title: Assistant General Counsel for Technology Transfer
and Intellectual Property
Witness to Signature:
Full name of Witness: Katherine Baldwin
Witness' Signature: *Katherine Baldwin* Date 11-16-2012