

PATENT ASSIGNMENT

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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>Whitney D. Reynolds</td> <td>12/14/2010</td> </tr> <tr> <td>Thomas W. Murphey</td> <td>12/14/2010</td> </tr> <tr> <td>Jeremy A. Banik</td> <td>12/14/2010</td> </tr> <tr> <td>Laura A. Stiles</td> <td>11/29/2010</td> </tr> </tbody> </table>		Name	Execution Date	Whitney D. Reynolds	12/14/2010	Thomas W. Murphey	12/14/2010	Jeremy A. Banik	12/14/2010	Laura A. Stiles	11/29/2010
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Whitney D. Reynolds	12/14/2010										
Thomas W. Murphey	12/14/2010										
Jeremy A. Banik	12/14/2010										
Laura A. Stiles	11/29/2010										
RECEIVING PARTY DATA											
Name:	The Government of the United States as Represented by the Secretary of the Air Force										
Street Address:	1500 Wilson Blvd. Suite 304										
Internal Address:	SAF/GCQ										
City:	Arlington										
State/Country:	VIRGINIA										
Postal Code:	22209										
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>12967814</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12967814						
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Application Number:	12967814										
CORRESPONDENCE DATA											
Fax Number:	(505)846-0279										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	5058462965										
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Correspondent Name:	KENNTN E CALLAHAN										
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Address Line 4:	KIRTLAND AFB, NEW MEXICO 87117										
ATTORNEY DOCKET NUMBER:	PRS-190										
NAME OF SUBMITTER:	Kenneth E. Callahan										

CH \$40.00 12967814

Total Attachments: 5

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ASSIGNMENT

WHEREAS, I, **Thomas W. Murphey, Jeremy A. Banik, and Whitney D. Reynolds,** while employed by the Government of the United States made an invention entitled **Deployable Shell with Wrapped Gores** and described in application for Letters Patent of the United States executed by me on or about the 14 day of December, 2010, the 14 day of December, 2010, and the 14 day of December, 2010;

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under paragraph I(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the promises and other valuable considerations, we, **Thomas W. Murphey, Jeremy A. Banik, and Whitney D. Reynolds,** the inventors, have sold, assigned and transferred and by these presents do sell, assign and transfer unto the Government of the United States of America as represented by the Secretary of the Air Force, our entire right, title and interest throughout the world, in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States, and all Letters Patent issuing thereon and any continuations, divisions and reissues or extensions thereof; we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the Government of the United States of America, as represented by the Secretary of the Air Force, and his/her successors, as assignee of our entire right, title and interest in and to the same throughout the United States of America, its territories and dependencies, for the sole use for the full term or terms for which said Letters Patent and any continuations, divisions and reissues or extensions thereof are, or may be granted as fully and entirely as the same would have been held by us had this assignment not been made; and we do hereby also grant unto the Government of the United States as represented by the Secretary of the Air Force, our right, title, and interest in said invention or all applications for Letters Patent thereon in all countries foreign to the United States in which the Government of the United States may file, or cause to be filed, applications for Letters Patent, without payment to us of any further consideration; provided, however, that this grant to take foreign rights in our invention, or application for Letters Patent thereon, shall have force and effect only as to such applications filed in foreign countries, and that all foreign rights not exercised under this grant are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in any patent which may issue on said invention in any foreign country, including the power to issue sublicenses for use in behalf of the Government of the United States and/or in furtherance of the foreign policies of the Government of the United States; and we hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary for the preparation and filing of such applications, or for the Government to exercise its option granted hereunder, except that it shall be understood that we shall not be subject to any out-of-pocket expense relative to such action.

Inventor

Thomas W. Murphey
Thomas W. Murphey

STATE OF: New Mexico

ss:

COUNTY OF: Bernalillo

Before me, a Notary Public in and for the county of Bernalillo and state of New Mexico , on this 14th day of December, 2010, personally appeared **Thomas W. Murphey**, who being duly sworn did say that he is the inventor who signed the above Assignment and acknowledged said Assignment to be his free act and deed.

(Seal)

Libby D. Waits
Notary Public

My commission expires May 31, 2013

Inventor

Jeremy A. Banik
Jeremy A. Banik

STATE OF: New Mexico

ss:

COUNTY OF: Bernalillo

Before me, a Notary Public in and for the county of Bernalillo and state of New Mexico , on this 14th day of December 2009, personally appeared **Jeremy A. Banik**, who being duly sworn did say that he is the inventor who signed the above Assignment and acknowledged said Assignment to be his free act and deed.

(Seal)

Libby D. Waits
Notary Public

My commission expires May 31, 2013

Inventor

Whitney D. Reynolds
Whitney D. Reynolds

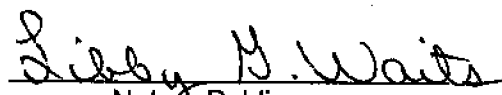
STATE OF: New Mexico

ss:

COUNTY OF: Bernalillo

Before me, a Notary Public in and for the county of Bernalillo and state of New Mexico , on this 14th day of December, 2009, personally appeared **Whitney D. Reynolds**, who being duly sworn did say that he is the inventor who signed the above Assignment and acknowledged said Assignment to be his free act and deed.

(Seal)


Notary Public

My commission expires May 31, 2013

ASSIGNMENT

WHEREAS, I, Laura A. Stiles, while employed by the Government of the United States, made an invention entitled Deployable Shell with Wrapped Gores, and described in application for Letters Patent of the United States executed by me on the 29th day of November, 2010;

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under paragraph I(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the promises and other valuable considerations, I, Laura A. Stiles, an inventor, have sold, assigned and transferred and by these presents do sell, assign and transfer unto the Government of the United States of America as represented by the Secretary of the Air Force, my entire right, title and interest throughout the world, in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States, and all Letters Patent issuing thereon and any continuations, divisions and reissues or extensions thereof; we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the Government of the United States of America, as represented by the Secretary of the Air Force, and his/her successors, as assignee of our entire right, title and interest in and to the same throughout the United States of America, its territories and dependencies, for the sole use for the full term or terms for which said Letters Patent and any continuations, divisions and reissues or extensions thereof are, or may be granted as fully and entirely as the same would have been held by us had this assignment not been made; and I do hereby also grant unto the Government of the United States as represented by the Secretary of the Air Force, our right, title, and interest in said invention or all applications for Letters Patent thereon in all countries foreign to the United States in which the Government of the United States may file, or cause to be filed, applications for Letters Patent, without payment to us of any further consideration; provided, however, that this grant to take foreign rights in our invention, or application for Letters Patent thereon, shall have force and effect only as to such applications filed in foreign countries, and that all foreign rights not exercised under this grant are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in any patent which may issue on said invention in any foreign country, including the power to issue sublicenses for use in behalf of the Government of the United States and/or in furtherance of the foreign policies of the Government of the United States; and we hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary for the preparation and filing of such applications, or for the Government to exercise its option granted hereunder, except that it shall be understood that we shall not be subject to any out-of-pocket expense relative to such action.

Inventor: *Laura A. Stiles*
Laura A. Stiles

STATE OF: Colorado

ss:

COUNTY OF: Boulder

Before me, a Notary Public in and for the county of Boulder and state of Colorado, on this 29th day of November, 2010, personally appeared Laura A. Stiles to me known personally, who being duly sworn did say that she is one of the inventors who signed the above instrument and acknowledges said instrument to be her free act and deed.

(Seal)



Rhonda C. Maldonado
Notary Public

My Commission Expires:
31 May 2013
03/11/2013