

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																
<b>CONVEYING PARTY DATA</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr><td>Mark A. Croom</td><td>03/23/2010</td></tr> <tr><td>Stephen C. Smith</td><td>03/22/2010</td></tr> <tr><td>Mark D. Guynn</td><td>03/23/2010</td></tr> <tr><td>Craig A. Hunter</td><td>04/28/2010</td></tr> <tr><td>David A. Paddock</td><td>05/25/2010</td></tr> <tr><td>Stephen E. Riddick</td><td>03/19/2010</td></tr> <tr><td>John Edward Teter Jr.</td><td>03/22/2010</td></tr> </tbody> </table>		Name	Execution Date	Mark A. Croom	03/23/2010	Stephen C. Smith	03/22/2010	Mark D. Guynn	03/23/2010	Craig A. Hunter	04/28/2010	David A. Paddock	05/25/2010	Stephen E. Riddick	03/19/2010	John Edward Teter Jr.	03/22/2010
Name	Execution Date																
Mark A. Croom	03/23/2010																
Stephen C. Smith	03/22/2010																
Mark D. Guynn	03/23/2010																
Craig A. Hunter	04/28/2010																
David A. Paddock	05/25/2010																
Stephen E. Riddick	03/19/2010																
John Edward Teter Jr.	03/22/2010																
<b>RECEIVING PARTY DATA</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>United States of America as represented by the Administrator of the National Aeronautics and Space Administration</td> </tr> <tr> <td><b>Street Address:</b></td> <td>300 E. Street SW</td> </tr> <tr> <td><b>City:</b></td> <td>Washington</td> </tr> <tr> <td><b>State/Country:</b></td> <td>DISTRICT OF COLUMBIA</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>20546</td> </tr> </table>		<b>Name:</b>	United States of America as represented by the Administrator of the National Aeronautics and Space Administration	<b>Street Address:</b>	300 E. Street SW	<b>City:</b>	Washington	<b>State/Country:</b>	DISTRICT OF COLUMBIA	<b>Postal Code:</b>	20546						
<b>Name:</b>	United States of America as represented by the Administrator of the National Aeronautics and Space Administration																
<b>Street Address:</b>	300 E. Street SW																
<b>City:</b>	Washington																
<b>State/Country:</b>	DISTRICT OF COLUMBIA																
<b>Postal Code:</b>	20546																
<b>PROPERTY NUMBERS Total: 1</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td><b>Application Number:</b></td> <td>12721833</td> </tr> </tbody> </table>		Property Type	Number	<b>Application Number:</b>	12721833												
Property Type	Number																
<b>Application Number:</b>	12721833																
<b>CORRESPONDENCE DATA</b>																	
<p>Fax Number: (757)864-9190  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 757-864-3226        Email: elaine.c.mcmahon@nasa.gov        Correspondent Name: NASA Langley Research Center        Address Line 1: Office of Chief Counsel        Address Line 2: Mail Stop 141        Address Line 4: Hampton, VIRGINIA 23681-2199</p>																	

CH \$40.00 12721833

501187295

**PATENT**  
**REEL: 024441 FRAME: 0917**

ATTORNEY DOCKET NUMBER:	LAR 17514-1
NAME OF SUBMITTER:	Helen M. Galus
Total Attachments: 3 source=L0087492#page1.tif source=L0087492#page2.tif source=L0087492#page3.tif	



National  
Aeronautics and  
Space  
Administration

Patent Application

## Assignment to the Government (by Government Employee)

Title of Invention: Aircraft Configured for Flight in an Atmosphere Having Low Density

Inventor(s): Mark A. Croom, Stephen C. Smith, Paul A. Gelhausen, Mark D. Guynn, Craig A. Hunter, David A. Paddock, Steven E. Riddick, John Edward Teter Jr.

NASA Case No.: LAR-17514-1 Application No.\*: 12/721,833 Filing Date\*: 03/11/2010

WHEREAS, the parties to this Assignment and Agreement are the undersigned inventor(s) and the United States Government (hereafter Government), as represented by the Administrator of the National Aeronautics and Space Administration;

WHEREAS, the making of this Assignment and Agreement is in accordance with 37 CFR Part 501; and

WHEREAS, the undersigned inventor(s) has (have) executed, on the date(s) indicated below, an application for United States Patent on the above-entitled invention.

NOW THEREFORE, in consideration of employment by the Government, the undersigned hereby:

1. Assign to the Government my (our) full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.

2. Agree to grant to the Government my (our) full and exclusive foreign rights in and to said invention, in accordance with 37 CFR 501.9(d), including rights of priority under the International Convention of Paris (1883), as amended. If the Government chooses not to file an application in any foreign country, I (we) may request rights in that country, in accordance with 37 CFR 501.9(d), and such rights will be subject to the reservation to the Government of a nonexclusive, irrevocable, royalty-free license in the invention with power to grant licenses for all governmental purposes. The terms of such reservation will appear, where practicable, in any foreign patent which may issue on such invention.

3. Agree, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.

\*4. Authorize and request the attorneys of record in the application to insert the application number and filing date above when required.

[Signature] 3/23/10  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)  
Mark A. Croom 101 Paspeheghe Run, Yorktown, VA 23693  
(Inventor's Typed Name) (Mailing Address - Including Country)

[Signature] [Blank] [Blank]  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)  
✓ Stephen C. Smith 937 Brookgrove Lane, Cupertino, CA 95014  
(Inventor's Typed Name) (Mailing Address - Including Country)

[Signature] 3/23/10  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)  
Mark D. Guynn 124 Brassie Drive Yorktown, VA 23693  
(Inventor's Typed Name) (Mailing Address - Including Country)

23351



National  
Aeronautics and  
Space  
Administration

Patent Application

### Assignment to the Government (by Government Employee)

Title of Invention: Aircraft Configured for Flight in an Atmosphere Having Low Density

Inventor(s): Mark A. Croom, Stephen C. Smith, Paul A. Gelhausen, Mark D. Gynn, Craig A. Hunter, David A. Paddock, Steven E. Riddick, John Edward Teter Jr.

NASA Case No.: LAR-17514-J Application No.: 12/721,833 Filing Date\*: 03/11/2010

WHEREAS, the parties to this Assignment and Agreement are the undersigned inventor(s) and the United States Government (hereafter Government), as represented by the Administrator of the National Aeronautics and Space Administration;

WHEREAS, the making of this Assignment and Agreement is in accordance with 37 CFR Part 501; and

WHEREAS, the undersigned inventor(s) has (have) executed, on the date(s) indicated below, an application for United States Patent on the above-entitled invention.

NOW THEREFORE, in consideration of employment by the Government, the undersigned hereby:

1. Assign to the Government my (our) full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.

2. Agree to grant to the Government my (our) full and exclusive foreign rights in and to said invention, in accordance with 37 CFR 501.9(d), including rights of priority under the international Convention of Paris (1883), as amended. If the Government chooses not to file an application in any foreign country, I (we) may request rights in that country, in accordance with 37 CFR 501.9(d), and such rights will be subject to the reservation to the Government of a nonexclusive, irrevocable, royalty-free license in the invention with power to grant licenses for all governmental purposes. The terms of such reservation will appear, where practicable, in any foreign patent which may issue on such invention.

3. Agree, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.

\*4. Authorize and request the attorneys of record in the application to insert the application number and filing date above when required.

(Signature of Inventor)

Mark A. Croom

(Inventor's Typed Name)

(Date Assignment Executed)

101 Paschewsky Run  
124 Brassie Drive, Yorktown, VA 23693

(Mailing Address - Including Country)

(Date Application Executed)

(Signature of Inventor)

Stephen C. Smith

(Inventor's Typed Name)

3/22/2010  
(Date Assignment Executed)

937 Brookgrove Lane, Cupertino, CA 95014

(Mailing Address - Including Country)

(Date Application Executed)

(Signature of Inventor)

(Inventor's Typed Name)

(Date Assignment Executed)

(Mailing Address - Including Country)

(Date Application Executed)

NASA FORM 430 DEC 2000 PREVIOUS EDITIONS ARE OBSOLETE.

Title of Invention: Aircraft Configured for Flight in an Atmosphere Having Low Density

Inventor(s): Mark A. Croom, Stephen C. Smith, Paul A. Gelhausen, Mark D. Guynn, Craig A. Hunter, David A. Paddock, Steve Riddick, John Edward Teter Jr.

NASA Case No.: LAR-17514-1 Application No.\*: 12/721,833 Filing Date\*: \_\_\_\_\_

Craig A. Hunter 4/28/10 \_\_\_\_\_  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

Craig A. Hunter 117 Old Meadows Road, Williamsburg, VA 23188  
(Inventor's Typed Name) (Mailing Address - Including Country)

[Signature] 5-25-10 \_\_\_\_\_  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

David A/ Paddock 7567 Vincent Drive, Toano, VA 23168  
(Inventor's Typed Name) (Mailing Address - Including Country)

[Signature] 19 MAR 2010 \_\_\_\_\_  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

Steve Riddick 211 Clemwood Pkwy, Hampton , VA 23669  
(Inventor's Typed Name) (Mailing Address - Including Country)

[Signature] 3-22-10 \_\_\_\_\_  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

John Edward Teter Jr. 217 Skimino Road, Williamsburg, VA 23188  
(Inventor's Typed Name) (Mailing Address - Including Country)

\_\_\_\_\_  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

\_\_\_\_\_  
(Inventor's Typed Name) (Mailing Address - Including Country)

\_\_\_\_\_  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

\_\_\_\_\_  
(Inventor's Typed Name) (Mailing Address - Including Country)