

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>Anthony R. Kelley</td> <td>12/14/2011</td> </tr> <tr> <td>Gray Research, Inc.</td> <td>07/25/2011</td> </tr> </tbody> </table>		Name	Execution Date	Anthony R. Kelley	12/14/2011	Gray Research, Inc.	07/25/2011				
Name	Execution Date										
Anthony R. Kelley	12/14/2011										
Gray Research, Inc.	07/25/2011										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>United States of America as Represented by the Administrator of the National Aeronautics and Space Administration</td> </tr> <tr> <td>Street Address:</td> <td>300 E Street SW</td> </tr> <tr> <td>City:</td> <td>Washington</td> </tr> <tr> <td>State/Country:</td> <td>DISTRICT OF COLUMBIA</td> </tr> <tr> <td>Postal Code:</td> <td>20546</td> </tr> </table>		Name:	United States of America as Represented by the Administrator of the National Aeronautics and Space Administration	Street Address:	300 E Street SW	City:	Washington	State/Country:	DISTRICT OF COLUMBIA	Postal Code:	20546
Name:	United States of America as Represented by the Administrator of the National Aeronautics and Space Administration										
Street Address:	300 E Street SW										
City:	Washington										
State/Country:	DISTRICT OF COLUMBIA										
Postal Code:	20546										
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>13326513</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13326513						
Property Type	Number										
Application Number:	13326513										
CORRESPONDENCE DATA											
Fax Number: 2565440258 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 256-544-0013 Email: lisa.r.hughes@nasa.gov Correspondent Name: NASA/MARSHALL SPACE FLIGHT CENTER Address Line 1: LS01/OFFICE OF CHIEF COUNSEL Address Line 4: MSFC, ALABAMA 35812											
ATTORNEY DOCKET NUMBER:	MFS-32857-1										
NAME OF SUBMITTER:	James J. McGroary										
Signature:	/James J. McGroary/										
Date:	08/09/2013										
Total Attachments: 3 source=MFS-32857-1-Assignments#page1.tif source=MFS-32857-1-Assignments#page2.tif source=MFS-32857-1-Assignments#page3.tif											

CH \$40.00 13326513



Assignment to the Government (by Government Employee)

Title of Invention: Space Vehicle Valve System

Inventor(s): Anthony R. Kelley

NASA Case No.: MFS-32857-1 Application No.*: 13/326,513 Filing Date*: 12/15/2011

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.

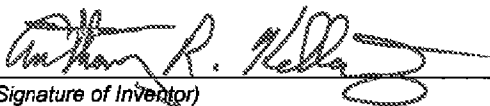
NOW THEREFORE, in consideration of employment by the Government, the undersigned hereby:

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)

Anthony R. Kelley
(Inventor's Typed Name)

12/14/11
(Date Assignment Executed)

214 Compton Curry Road, Somerville, AL 35670
(Mailing Address - Including Country)

12/14/11
(Date Application Executed)

USA

(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)



National
Aeronautics and
Space
Administration

Patent Application

Assignment to the Government and License to the Small Entity Contractor

Contractor/Grantee: Gray Research, Inc.

Incorporated Under the Laws of: Alabama

Address: 1055 Diseney Drive Ste. 300 Huntsville, AL 35806

WHEREAS the above named Contractor/Grantee (Hereinafter the Contractor), having elected not to retain title, or hereby elects not to retain title, under the provisions of 35 U.S.C. 202 to a SUBJECT INVENTION made in the performance of work under a contract/grant (Hereinafter a contract) between the Contractor and the Government of the United States of America (Hereinafter the Government), the SUBJECT INVENTION and contract being identified as:

Title of Invention: Space Vehicle Valve System

Inventors:

1. <u>Jeffrey L. Lindner</u>	Employer	<u>Gray Research, Inc.</u>
2. <u>Anthony R. Kelley</u>	Employer	<u>NASA/MSFC</u>
3. _____	Employer	_____
4. _____	Employer	_____
5. _____	Employer	_____

This assignment is applicable to INVENTORS (Check appropriate),

☒ (1), ☐ (2), ☐ (3), ☐ (4), ☐ (5);

Contract No. NNM05AB50C

NASA Case No. MFS-32857-1

Contractor Case No. _____

Application Executed on 12/14/2011

Application Serial No. 13/326,513

Contractor is a (Check one):

- ☒ Small Business
☐ College or University
☐ Nonprofit Organization

Assignment to the Government

WHEREAS, the Government as represented by the Administrator of the National Aeronautics and Space Administration (NASA), is desirous of acquiring an assignment of the SUBJECT INVENTION identified above and disclosed in said application and other rights and benefits herein granted;

Assignment to the Government (continued)

NOW THEREFORE, in consideration of the contract and other benefits attributable to the contractual relationship, the Contractor hereby assigns and transfers to the Government the full and exclusive right in and to said SUBJECT INVENTION within the United States of America, its territories and possession, and the entire right, title, and interest in and to said patent application, and any applications continuing therefrom and such Letters Patent as may issue therefrom.

The Contractor also grants to the Government, an assignment of the foreign rights in and to the said invention including rights of priority under the International Convention of Paris (1883), as amended.

The Contractor hereby covenants that it has the right to grant the foregoing assignments.

The Contractor further agrees to make, execute and/or deliver to the Government, upon request, but at the expense of the Government, any and all data, drawings, notes, reports, information, papers, documents, affidavits, statements, or other items necessary in the prosecution of said application and of any applications continuing therefrom or applications for reissue or reexamination of said Letters Patent, or of any foreign patent application or any application continuing therefrom, and to assist the Government in every way in protecting said invention as may be requested, provided that any expense arising through such assistance will be paid by the Government.

License to the Contractor

FURTHER, the Contractor hereby retains, pursuant to the Federal Acquisition Regulation clause 52.227-11 entitled "Patent Rights - Retention by the Contractor (Short Form)," a revocable, nonexclusive, royalty-free license throughout the world in the SUBJECT INVENTION in each patent application filed in any country on the invention and in any resulting patent in which the Government acquires title. The license extends to the Contractor's domestic subsidiaries and affiliates, if any, within the corporate structure of which the Contractor is a part and includes the right to grant sublicenses of the same scope to the extent the Contractor was legally obligated to do so at the time the contract was awarded. The license is transferable only with the approval of the National Aeronautics and Space Administration except when transferred to the successor of the part of the Contractor's business to which the invention pertains. The Contractor's domestic license may be revoked or modified by the National Aeronautics and Space Administration to the extent necessary to achieve the expeditious practical application of the SUBJECT INVENTION pursuant to an application for an exclusive license submitted in accordance with the Department of Commerce Patent Licensing Regulations. This license will not be revoked in that field of use or the geographical areas in which the Contractor has achieved practical application and continues to make the benefits of the invention reasonably accessible to the public. The license in any foreign country may be revoked or modified at the discretion of the National Aeronautics and Space Administration to the extent the Contractor, its licensees, or its domestic subsidiaries or affiliates have failed to achieve practical application in that foreign country. Before revocation or modification of the license, the National Aeronautics and Space Administration will furnish the Contractor a written notice of its intention to revoke or modify the license, and the Contractor will be allowed 30 days (or such other time as may be authorized by the National Aeronautics and Space Administration for good cause shown by the Contractor) after the notice to show cause why the license should not be revoked or modified. The Contractor has the right to appeal, in accordance with the procedures set forth in the Department of Commerce Patent Licensing Regulations, from any decision concerning the revocation or modification of its license.

The Contractor hereby executes this instrument by its legally authorized representative on

July 25, 2011
Name Brandy Corbett Signature Brandy Corbett
Title Director of Business Operations
(Corporate Office)