

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	DEAN C. ALHORN	05/13/2014
	DAVID E. HOWARD	05/13/2014
	DENNIS A. SMITH	05/13/2014
	JACOBS/SVERDRUP TECHNOLOGY INC.	06/05/2014
<b>RECEIVING PARTY DATA</b>		
<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>	D.C.	
<b>Postal Code:</b>	20546	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14308312
<b>CORRESPONDENCE DATA</b>		
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<b>Email:</b>	lisa.r.hughes@nasa.gov	
<b>Correspondent Name:</b>	NASA/MARSHALL SPACE FLIGHT CENTER	
<b>Address Line 1:</b>	LS01/OFFICE OF CHIEF COUNSEL	
<b>Address Line 4:</b>	MSFC, ALABAMA 35812	
<b>ATTORNEY DOCKET NUMBER:</b>	MFS-32842-1	
<b>NAME OF SUBMITTER:</b>	JAMES J. MCGROARY	
<b>SIGNATURE:</b>	/James J. McGroary/	
<b>DATE SIGNED:</b>	07/10/2014	
<b>Total Attachments: 2</b>		
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PATENT



National  
Aeronautics and  
Space  
Administration

Patent Application

## Assignment to the Government (by Government Employee)

Title of Invention: Reconfigurable Drive Current System

Inventor(s): Dean C. Alhorn, David E. Howard and Dennis A. Smith

NASA Case No.: MFS-32842-1 Application No.\*: 14/308,312 Filing Date\*: 6/18/2014

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.

Dean C. Alhorn  
(Signature of Inventor)

5/13/2014  
(Date Assignment Executed)

5/13/2014  
(Date Application Executed)

Dean C. Alhorn  
(Inventor's Typed Name)

767 Cornelia Drive, Huntsville, AL 35802  
(Mailing Address - Including Country)

USA

David E. Howard  
(Signature of Inventor)

5-13-2014  
(Date Assignment Executed)

5-13-2014  
(Date Application Executed)

David E. Howard  
(Inventor's Typed Name)

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USA

Dennis A. Smith  
(Signature of Inventor)

5-13-2014  
(Date Assignment Executed)

5-13-2014  
(Date Application Executed)

Dennis A. Smith  
(Inventor's Typed Name)

20132 Johnson Road, Athens, AL 35613  
(Mailing Address - Including Country)

USA



National  
Aeronautics and  
Space  
Administration

Patent Application

MFS-32842-1  
(NASA Case No.)

### Determination of Title and Assignment in Accordance With 51 U.S.C. 20135

WHEREAS, Charles Bolden, Administrator of the National Aeronautics and Space Administration (the Administration) of Washington, District of Columbia, pursuant to the provisions of the National Aeronautics and Space Act 51 U.S.C. 20135(b), paragraphs (1)(A) or (1)(B); and pursuant to the New Technology clause in a contract between the Administration and the Contractor set forth below; and based upon a presumption which is now conclusive; HAS DETERMINED that the invention cited below is a Subject Invention in that the invention was made in the performance of work under a contract between the Administration and the Contractor and pursuant to statutory authority; the Subject Invention has become the exclusive property of the Government of the United States of America.

THEREFORE, the Government by virtue of this DETERMINATION and by operation of law has acquired an ASSIGNMENT of the entire right, title and interest in and to the Subject Invention and to any patent application(s) and all Letters Patent issuing thereon and other rights and benefits herein granted including the title and/or assignment of the foreign rights in and to the invention including the Rights of Priority under the International Convention of Paris (1883), as amended.

#### GRANT OF LICENSE TO THE CONTRACTOR

FURTHER, the Contractor is granted, pursuant to 14 CFR 1245.108, a revocable, nonexclusive, royalty-free license 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 party 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 and right is transferrable only with the approval of the Administrator except when transferred to the successor of that part of the Contractor's business to which the invention pertains. The Contractor's domestic license may be revoked or modified by the Administrator to the extent necessary to achieve the earliest practical application of the invention under an exclusive or partially exclusive license to be granted under the Department of Commerce Patent Licensing Regulation (37 CFR Part 404). This license shall not be revoked in that field of use and/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 Administrator to the extent the Contractor, its licensees, or its domestic affiliates have failed to achieve practical application in that foreign country. Before revocation or modification of the license, the Contractor shall be allowed 30 days (or any other time as may be allowed by the Administrator for good cause shown by the Contractor) after the notice to show cause why the license should not be revoked or modified. The Contractor shall have the right to appeal, under the Department of Commerce Patent Licensing Regulations, any decision concerning the revocation or modification of its license.

Inventor(s)/Assignors: Kenneth R. Dutton

Assignee: The United States of America as Represented by the Administrator, National Aeronautics and Space Administration

Title of Invention: Reconfigurable Drive Current System

Brief: Assigns the entire interest pursuant to 51 U.S.C. 20135; Contractor granted a license pursuant to 14 CFR 1245.108.

Contractor and Address: Jacobs/Sverdrup Technology Inc.  
600 William Northern Blvd., Tullahoma, TN 37388-3729

Contract No.: NNM05AB50C

Contract Date: 9-28-2005

Serial No.: 14/308,312

Filing Date: 06/18/2014

Date Application Executed by the Administrator or a  
Person officially acting on behalf of the Administrator: 05/29/14

#### RECORDABLE ASSIGNMENTS

NOW THEREFORE, this document, invoking 51 U.S.C. 20135, is tantamount to an ASSIGNMENT of the entire right, title and interest to the Government of the Subject Invention and as such is recordable as an ASSIGNMENT under 35 U.S.C. 261. Also, as set forth above, the Contractor has been granted a LICENSE to the invention. This instrument is executed by my legal representative pursuant to Delegations of Authority duly filed in the United States Patent and Trademark Office.

05/29/2014  
Date

CB Graham  
Associate General Counsel (Intellectual Property)

NASA FORM 1606 DEC 2000 PREVIOUS EDITIONS ARE OBSOLETE.

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RECORDED: 07/10/2014

REEL: 033286 FRAME: 0525