503628790 12/29/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3675420

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN DWIGHT ENGLAND	03/07/2013
ANTHONY R. KELLEY	03/08/2013
RAYMOND J. CRONISE	03/12/2013

RECEIVING PARTY DATA

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:	D.C.
Postal Code:	20546

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14812786

CORRESPONDENCE DATA

Fax Number: (256)544-0258

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

256-544-0013 Phone:

Email: lisa.r.hughes@nasa.gov

NASA/MARSHALL SPACE FLIGHT CENTER **Correspondent Name:**

Address Line 1: LS01/OFFICE OF CHIEF COUNSEL

Address Line 4: MSFC, ALABAMA 35812

ATTORNEY DOCKET NUMBER: MFS-32612-1-CON NAME OF SUBMITTER: JAMES J. MCGROARY **SIGNATURE:** /James J. McGroary/ **DATE SIGNED:** 12/29/2015

Total Attachments: 3

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> **PATENT REEL: 037378 FRAME: 0376** 503628790

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PATENT REEL: 037378 FRAME: 0377



(Inventor's Typed Name)

NASA FORM 430 DEC 2000 PREVIOUS EDITIONS ARE OBSOLETE.

Assignment to the Government (by Government Employee)

Title of Invention:	Safety System for C	Controlling Fluid Flo	w into a Suction Line	;		
Inventor(s):	John Dwight Engla	nd and Anthony R. I	Kelley			
NASA Case No.:	MFS-32612-1cip	Application No.*:	13/796,693	Filing Date*:	3/12/2013	
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 maki	ng of this Assignmen	it and Agreement is i	n accordance with 37	CFR Part 501; as	nd	
WHEREAS, the unde States Patent on the	rsigned inventor(s) h above-entitled invent	as (have) executed, ion.	on the date(s) indicat	ed below, an app	ication for United	
NOW THEREFORE, 1. Assign to the (America, its territories corresponding continu	Sovernment my (our) and possessions, a	full and exclusive rig nd my (our) entire rig	iht in and to said inve iht, title and interest in	intion within the U n and to said appli	nited States of cation, and any	
 Agree to grant accordance with 37 C amended. If the Gove country, in accordance nonexclusive, irrevoca purposes. The terms of invention. 	FR 501.9(d), includir rnment chooses not e with 37 CFR 501.9 able, royalty-free licer	ng rights of priority ur to file an application (d), and such rights was the in the invention was	in any foreign country will be subject to the r with power to grant lic	Convention of Pa	ris (1883), as est rights in that Government of a mmental	
Agree, at the e information to, and (c) interest transferred by	to cooperate in any	manner with the Gov	e any document for, (l vernment in order to a	b) to deliver any n illow the Governm	equested ent to protect any	
*4. Authorize and above when required.	request the attorneys	s of record in the app	elication to insert the a $3/o7//3$	pplication numbe	r and filing date	
(Signature of Inventor)	*	(Da	té Assignment Executed	f) (Date Applic	ation Executed)	
John Dwight England (Inventor's Typed Name			nn Creek Drive, Aral ess - Including Country)	o, Alabama 35016	USA	
Full C.	M_{\odot}		3/8/13			
(Signature of Idventor)	obtained to the second	(Da	te Assignment Executed	f) (Date Applic	eation Executed)	
Anthony R. Kelley (Inventor's Typed Name)		on Curry Road, Some	erville, AL 35670	USA USA	
(Signature of Inventor)		(Da	te Assignment Executed	(Date Applic	ation Executed)	

(Mailing Address - Including Country)

PATENT REEL: 037378 FRAME: 0378



Attorney Docket No. MFS-32612-1-CIP

ASSIGNMENT and AGREEMENT

Title of Invention: SAFETY SYSTEM FOR CONTROLLING FLUID FLOW INTO A SUCTION LINE

Inventor(s): Raymond J. Cronise

NASA Case No.: MFS-32612-1-CIP

Application No.*: 13/796,693 Application Filing Date*: 3/12/2013

WHEREAS, the parties to this ASSIGNMENT and AGREEMENT are: (1) the undersigned Inventor(s) and (2) and the United States Government, as represented by the Administrator of the National Aeronautics and Space Administration, Washington, D.C. 20546 (hereafter, the Government);

WHEREAS, the undersigned Inventor(s) is (are) desirous of sharing in any royalties that may be derived from licensing the above identified Invention (hereinafter, the Invention) and has (have) executed, in the date indicated below, an application for a United States Patent on the Invention or is (are) desirous of having such a patent application filed; and

WHEREAS, the Government is desirous of acquiring the entire right, title and interest in the Invention and the patent application filed, or to be filed, thereon.

NOW THEREFORE, in consideration of the payment of royalties, pursuant to NASA Policy Directive, NPD 2092.1, "Royalties and Other Payments Received by NASA from the Licensing of Patents and Patent Applications" (incorporated herein by reference), that may result from licensing the Invention, the undersigned hereby:

- 1. Assigns to the Government my (our) full right in and to the Invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said patent application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.
- 2. Grant to the Government the option to acquire, upon request, all my (our) foreign rights in and to the Invention.
- 3. Agrees, at the expense of the Government, to: (a) execute any document, (b) deliver any requested information, and (c) cooperate in any manner with the Government in order

Assignment individual inventor to NASA June 2000

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to allow the Government to protect any interest transferred by this ASSIGNMENT and AGREEMENT.

- 4. Warrants that I have the authority to execute this ASSIGNMENT and AGREEMENT.
- *5. Authorizes and requests the attorneys of record in the application to insert the patent application number and filing date above when required.

/Kaymond J. Cronise/	3/12/2013	3/12/2013
(Signature of Inventor)	Date Assignment Executed	Date Application Executed
Raymond J. Cronise	-	T F
(Inventor's Typed Name)		
1039 Branscomb Circle, Hur	ntsville, AL 35803 USA	
(Post Office Address - Including Co	untry)	
-	••	
(Signature of Inventor)	Date Assignment Executed	Date Application Executed
(Inventor's Typed Name)		
(Post Office Address - Including Co	untry)	
(Signature of Inventor)	Date Assignment Executed	Date Application Executed
(Inventor's Typed Name)		
(Post Office Address - Including Co	intrv)	