502836135 06/03/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2882731

SUBMISSION TYPE:	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:	ASSIGNMENT			
CONVEYING PARTY DATA				
	Name	Execution Date		
MICHAEL D. BULATOWICZ		05/29/2014		
		05/29/2014		

RECEIVING PARTY DATA

Name:	NORTHROP GRUMMAN SYSTEMS CORPORATION
Street Address:	2980 FAIRVIEW PARK DRIVE
City:	FALLS CHURCH
State/Country:	VIRGINIA
Postal Code:	22042-4511

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14295091

CORRESPONDENCE DATA

Fax Number:	(216)621-4072		
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.			
Phone:	216-621-2234		
Email:	lpringle@tarolli.com		
Correspondent Name:	TAROLLI, SUNDHEIM, COVELL & TUMMINO LLP		
Address Line 1:	1300 EAST NINTH STREET, SUITE 1700		
Address Line 2:	CHRISTOPHER P. HARRIS		
Address Line 4:	CLEVELAND, OHIO 44114		

ATTORNEY DOCKET NUMBER:	NG(NSD)022874 US PRI	
NAME OF SUBMITTER: CHRISTOPHER P. HARRIS		
SIGNATURE:	/Christopher P Harris/	
DATE SIGNED:	06/03/2014	
Total Attachments: 2 source=NSD022874Assignment#page1.tif		

source=NSD022874Assignment#page2.tif

ASSIGNMENT

WHEREAS, I, Michael D. Bulatowicz, together with Michael S. Larsen, hereinafter referred to as Assignor have jointly invented certain new and useful improvements in SELF-CALIBRATING NUCLEAR MAGNETIC RESONANCE (NMR) GYROSCOPE SYSTEM, described in an application for United States Letters Patent, executed by me on the date as stated below;

WHEREAS, Northrop Grumman Systems Corporation, a Delaware corporation, having its principal place of business at 2980 Fairview Park Drive, Falls Church, VA 22042-4511, United States of America, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title and interest in, to and under said improvements and said application:

NOW, THEREFORE, in consideration of Assignor's obligations to Northrop Grumman Systems Corporation, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in, to and under said improvements, and said application and all divisions, renewals, continuations, and continuations-in-part thereof, and all United States Letters patent that may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent that may hereafter be filed for said improvements in any country or countries foreign to the United States, including the full right to claim for any such application the priority benefits of the International Convention for the Protection of Industrial Property and other priority-conferring treaties, and all Letters Patent that may be granted for said improvements in any country or countries foreign to the United States and all extensions, divisions, continuations, continuations-in-part, renewals and reissues thereof; and Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

Assignor hereby acknowledges that at the time of making the improvements herein identified, Assignor was under an obligation to assign to Assignee, Assignor's entire right, title and interest in, to and under said improvements;

Assignor hereby covenants that Assignor has full right to convey the interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith and that Assignee, Northrop Grumman Systems Corporation, its successors, assigns and other legal representatives shall have the right to hold and enjoy for its and their own use and benefit, to the end of the term or terms for which such Letters Patent shall or may be granted, reissued or extended as fully and completely as the same right could have been held and enjoyed by Assignor had this Assignment not been made.

Assignor hereby further covenants and agrees to communicate to Assignee, its successors, legal representatives and assigns, any and all facts known to Assignor respecting said improvements; to promptly provide Assignee with all documents relating to said improvements, said invention, and said Letters Patent as may be known or accessible to Assignor; to testify as to the same in any interference or litigation or other legal proceedings related thereto; to sign all lawful papers, execute all extensions, continuations, continuations-in-part, divisional and reissue applications; and to make all rightful oaths or declarations and generally do everything possible to aid Assignee, its successors, legal representatives and assigns in obtaining and enforcing all the rights herein conveyed for said improvements in all countries without further compensation, but at the expense of Assignee, its successors, legal representatives and assigns.

____, 2014, and has executed the referenced patent application on the 24% day of _____, 2014.

STATE OF CALIFORNIA

COUNTY OF LOS ANGELES

Michael D. Bulatowicz

On MAY 29, 2014 before me, LAULA LEIGH-AGE, NOTALY Public, personally appeared Michael D. Bulatowicz, proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to this instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument to be the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary's Signature



PATENT REEL: 033022 FRAME: 0200

IN WITNESS WHEREOF, the undersi	gned has executed and delivered this instrument this $_24\%$ day of he referenced patent application on the 24% day of
$\underline{\mu}$ \underline	The referenced patent application on the application of the
, 2014.	Minhal S. Kenn.
1	
	MICHAEL S. LARSEN

STATE OF CALIFORNIA) COUNTY OF LOS AN (E/ES)) On <u>MAY 21, 2014</u> before me, <u>Auka EIGH AGE, Nither Jublic</u>, personally appeared <u>Michael S. Larsen</u>, proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to this instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument to be the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

WIN Notary's Signature

LAURA LEIGH SAGE Commission # 2042033 Notary Public - California Los Angeles County My Comm. Expires Oct 17, 2017

(SEAL)