PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3516264

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ERIC SCHEID	09/08/2015
COLT MILLER	09/08/2015
BRAD MOAN	08/24/2009
SAIC	08/24/2009

RECEIVING PARTY DATA

Name:	UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE NAVY
Street Address:	875 N. RANDOLPH ST
Internal Address:	OFFICE OF NAVAL RESEARCH, ROOM 522, ATTN: CODE OOCCIP
City:	ARLINGTON
State/Country:	VIRGINIA
Postal Code:	22203-1995

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13627510

CORRESPONDENCE DATA

Fax Number: (812)854-4729

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: 812-854-4100

Email: CHRISTOPHER.MONSEY@NAVY.MIL

Correspondent Name: CRANE NAVAL SURFACE WARFARE CENTER OFFIC

Address Line 1: **BUILDING 2**

Address Line 2: 300 HIGHWAY 361

Address Line 4: CRANE, INDIANA 47552

Table Attaches and a A		
DATE SIGNED: 09/08/2015		
SIGNATURE:	/Christopher A. Monsey/	
NAME OF SUBMITTER:	CHRISTOPHER A. MONSEY	
ATTORNEY DOCKET NUMBER:	101,430	

Total Attachments: 4

PATENT REEL: 036511 FRAME: 0172 source=101430_assignment_miller#page1.tif source=101430_assignment_moan#page1.tif source=101430_assignment_SAIC#page1.tif source=101430_assignment_scheid#page1.tif

> PATENT REEL: 036511 FRAME: 0173

WHEREAS, I, Colt Miller, of Bloomington, Indiana, while employed by the government of the United States of America, hereinafter referred to as the Government, have invented certain new and useful improvements in EXTRACTION DEVICE AND METHOD described in application for Letters Patent of the United States of America executed by me on the dates referenced below, and

Patent Application 13/627,510 filed on September 26, 2012

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph I(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, the Government is desirous of obtaining the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, as to foreign rights, the Government desires an option to obtain such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged. I hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

I do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to me within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention, and that the rights in the foreign countries not exercised under the option are left in me subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use in behalf of the Government and/or in furtherance of the foreign policies of the Government.

I hereby further agree to make, execute, and deliver to the Government any and all papers, documents, affidavits, statements, or other instruments that may be accessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, I have set my hand and affixed my seal.

inventor-Signature

Date

Printed Name

Navy Case: 101,430

Navy Case: 99844

WHEREAS, Bradley Moan of Greenwood, Indiana, while employed by a contractor of the government of the United States of America, hereinafter referred to as the Government, has invented certain new and useful improvements in SDS DRILL BIT WRENCH AND EXTRACTION TOOL described in an invention disclosure identified below, and

Invention Disclosure dated April 16, 2009

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Government Contract N00178-04-D-4119-FC10 dated 20 September 2007, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, the Government is desirous of obtaining the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, as to foreign rights, the Government desires an option to obtain such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged, I hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

I do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to us within such eight months after filing of the invention in the United States identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention, and that the rights in the foreign countries not exercised under the option are left in us subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use in behalf of the Government and/or in furtherance of the foreign policies of the Government.

I hereby further agree to make, execute, and deliver to the Government any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention or obtaining patent(s) as may be requested, provided that any expense arising through such efforts will be paid by the Government.

I have consulted with my employer and have received authorization to sign this assignment from my employer.

IN TESTIMONY WHEREOF, I have set my hand and affixed my seal.

8-24-69

Bradley D Moan Printed Name

WHEREAS, SAIC of 10260 Campus Point Dr. San Diego, CA 92121, while engaged as a contractor of the Government of the United States of America, hereinafter referred to as the Government, have employed employees, contractors or subcontractors who have invented or contributed to an invention of certain new and useful improvements in a SDS DRILL BIT WRENCH AND EXTRACTION TOOL described in an invention disclosure identified below executed by the various inventors on the dates referenced below, and

Navy Case 99844 invention disclosure executed on April 16, 2009

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Government Contract N00178-04-D-4119-FC10 and task order TI37dated 20 September 2007 (effective date) and 21 July 2008 (date of task order), respectively, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, the Government is desirous of obtaining the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, as to foreign rights, the Government desires an option to obtain such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

We do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to us within such eight months after filing of the invention in the United States identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention, and that the rights in the foreign countries not exercised under the option are left in us subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use in behalf of the Government and/or in furtherance of the foreign policies of the Government.

We hereby further agree to make, execute, and deliver to the Government any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention or obtaining patent(s) as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, we have set our hands and affixed our seals.

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Navy Case: 99844

WHEREAS, I, Eric Scheid, of Bloomington, Indiana, while employed by the government of the United States of America, hereinafter referred to as the Government, have invented certain new and useful improvements in EXTRACTION DEVICE AND METHOD described in application for Letters Patent of the United States of America executed by me on the dates referenced below, and

Navy Case: 101,430

Patent Application 13/627,510 filed on September 26, 2012

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph I(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, the Government is desirous of obtaining the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, as to foreign rights, the Government desires an option to obtain such rights:

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged. I hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

I do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to me within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention, and that the rights in the foreign countries not exercised under the option are left in me subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use in behalf of the Government and/or in furtherance of the foreign policies of the Government.

I hereby further agree to make, execute, and deliver to the Government any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

PATENT PATENT RECORDED: 09/08/2015 REEL: 036511 FRAME: 0177