502716885 03/11/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
GEOFFREY C. DOWNTON	03/06/2014
BRIAN OLIVER CLARK	01/27/2014

RECEIVING PARTY DATA

Name:	Schlumberger Technology Corporation	
Street Address:	300 Schlumberger Drive	
City:	Sugar Land	
State/Country:	TEXAS	
Postal Code:	77478	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12977250

CORRESPONDENCE DATA

Fax Number: (713)689-6372

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

US Mail.

Phone: 81427595321

Email: kawashima1@exchange.slb.com

Correspondent Name: SCHLUMBERGER - COE

Address Line 1: WESTERNGECO 10001 RICHMOND AVE.

Address Line 2: ROOM 3028

Address Line 4: HOUSTON, TEXAS 77042

ATTORNEY DOCKET NUMBER:	92.1224USNP ASSIGNMENT	
NAME OF SUBMITTER:	SETSUKO KAWASHIMA	
SIGNATURE:	/Setsuko Kawashima/	
DATE SIGNED:	03/11/2014	

Total Attachments: 5

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PATENT -

Assignment

WHEREAS, the undersigned inventors hereinafter referred to as the "Inventors" each said Inventor's address being listed below:

Geoffrey C. Downton, a citizen of the United Kingdom, residing at 2 Ricardo Road, Minchinhampton, Stroud, GL6 9BY, United Kingdom;

and

Brian Oliver Clark, a citizen of the United States of America,, residing at 86 Greensward Lane, Sugar Land, Texas 77479, USA;

Has/have invented certain new and useful improvements in

System and Method to Control Steering and Additional Functionality in A Rotary Steerable System

as described and set forth in an application for Letters Patent of the United States of America, filed on December 23, 2010 under Attorney Docket No. 92.1224 US NP assigned serial # 12/977250. **This assignment is effective as of December 23, 2010.**

AND WHEREAS, the "COMPANIES", listed in Schedule A, are desirous of acquiring or confirming their acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefore as outlined in Schedule A;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that the undersigned Inventors, for good and valuable considerations, the receipt and sufficiency of which hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANIES, their successors and assigns, the entire right, title and interest throughout the world, in and to the above-described invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements,

TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

AND said Inventors do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said

COMPANIES, their successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said **COMPANIES**, their successors and assigns.

AND said Inventors do hereby covenant and warrant that said Inventors have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that no said Inventors has executed and will execute any instruments in conflict herewith.

AND said Inventors, for the conditions aforesaid, do hereby covenant and agree to and with the said **COMPANIES**, their successors and assigns, that each Inventor, his or her executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said **COMPANIES**, their successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said **COMPANIES**, their successors and assigns, the entire right, title and interest in and to said invention, inventions or improvements, application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

Docket Number 92.1224 US NP

IN TESTIM	IONY WHEREOF, I have duly execute, 201 4 Signature	ed this Assignment on this	day of
		Inventor's Name: Geoffrey C. Downt	on
Witnesses:			
Signature	Muser		
Name:	MASA IGNOVA	Date: 06/03/20/4	
Address:	1 ANDOVER WALK		
	CHELTEN HAM 64502QY, UK	eners .	
Signature	man and the same of the same o		
Name:	VINCENT ASE	Date: 06: MARCH: 2014	
Address:	4 KELSO COVET		
	WESTOCH ROAD CHELTENHAM	<u>A</u>	egi seli

Docket Number 92.1224 US NP

IN TESTIN	MONY WHEREOF, I have	duly execut	ted this Assignment on this 27th day of
			(Inventor's Name: Brian Oliver Clark
Witnesses:			
State of County of	Texas Fort Bend		
Date:	1-27-14		Ruth Jellera
			Name: Of () Notary Public
SEAL			

MARGARET RUTH JEFFERS Notary Public, State of Texas My Commission Expires July 24, 2017

Schedule A

"COMPANIES"

SCHLUMBERGER TECHNOLOGY CORPORATION

Corporation of: United States of America

Located at: 300 Schlumberger Drive, Sugar Land, Texas 77478 U.S.A.

Assignee for applications in: United States of America

SCHLUMBERGER CANADA LIMITED

Corporation of: Canada

Located at: 525-3rd Avenue S.W., Calgary, Alberta, Canada T2P 0G4

Assignee for applications in: Canada

SERVICES PETROLIERS SCHLUMBERGER

Corporation of: France

Located at: 42 rue Saint Dominique, 75007 Paris, France

Assignee for applications in: France

SCHLUMBERGER HOLDINGS LIMITED

Corporation of: British Virgin Islands

Located at: P.O. Box 71, Craigmuir Chambers, Road Town, 1110 Tortola, British Virgin Islands

Assignee for applications in: Japan, The Netherlands, United Kingdom

SCHLUMBERGER TECHNOLOGY B.V.

Corporation of: the Netherlands

Located at: Parkstraat 83-89, 2514 JG The Hague, The Netherlands

Assignee for applications in: GCC and all other countries.

PRAD RESEARCH AND DEVELOPMENT LIMITED

Corporation of: British Virgin Islands

<u>Located at</u>: P.O. Box 71, Craigmuir Chambers, Road Town, 1110 Tortola, British Virgin Islands

Assignee for applications in: Angola, Bahrain, Bangladesh, Benin, Cambodia, Cameroon, Chad, China, Congo, Gabon, Ghana, Guinea-Bissau, India, Ivory Coast, Jordan, Libya, Mauritania,

Morocco, Mozambique, Myanmar, Namibia, Nigeria, Philippines, Senegal, Sudan, Syria, Taiwan,

Togo, UAE, Vietnam, Zaire.

RECORDED: 03/11/2014