

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5773629

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MANOJ D. MAHAJAN	09/08/2016
CHARLES H. DEWEY	09/20/2016
SHANTANU N. SWADI	11/09/2016
WALTER E. FRIEDL	09/09/2016
CHRISTOPHER KANG POTTER	10/15/2019
ALAN FAIRWEATHER	10/15/2019
RECEIVING PARTY DATA	
Name:	SMITH INTERNATIONAL, INC.
Street Address:	1310 RANKIN ROAD
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77073
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14815174
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Email:	kdumas-scarber@slb.com
Correspondent Name:	KRISTINE DUMAS-SCARBER
Address Line 1:	10001 RICHMOND AVENUE
Address Line 2:	ROOM 4720
Address Line 4:	HOUSTON, TEXAS 77042
ATTORNEY DOCKET NUMBER:	IS14.8558-US-NP SMITH
NAME OF SUBMITTER:	KRISTINE DUMAS-SCARBER
SIGNATURE:	/KRISTINE DUMAS-SCARBER/
DATE SIGNED:	10/17/2019
Total Attachments: 9	

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Assignment

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

Manoj D. Mahajan, a citizen of India;

Charles H. Dewey, a citizen of the United States of America;

Shantanu N. Swadi, a citizen of the United States of America;

Walter E. Friedl, a dual citizen of Columbia and Germany;

Christopher Kang Potter, a citizen of the United States of America;

and

Alan Fairweather, a citizen of the United Kingdom;

Has/have invented certain new and useful improvements in

MILLING TOOLS WITH A SECONDARY ATTRITION SYSTEM

as described and set forth in an application for Letters Patent of the United States of America, filed with the United States Patent and Trademark Office on July 31, 2015, Serial No. 14/815.174, (Docket No. IS14.8558-US-NP). **This assignment is effective as of July 31, 2015.**

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.

WITNESSED:

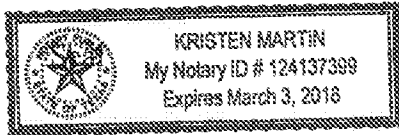
IN WITNESS WHEREOF I, **Manoj D. Mahajan**, have hereunto set my hand and seal this 08th day of September, 2016.

Manoj D. Mahajan
Manoj D. Mahajan

STATE OF TEXAS

COUNTY OF HARRIS

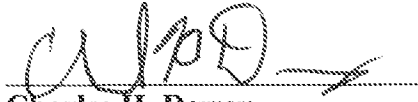
BEFORE ME this 8th day of September, 2016, personally appeared **Manoj D. Mahajan**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Kristen Martin
Notary Public

WITNESSED:

IN WITNESS WHEREOF I, **Charles H. Dewey**, have hereunto set my hand and seal this 20th day of September, 2016.

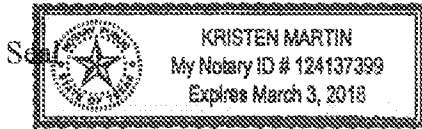


Charles H. Dewey

STATE OF TEXAS

COUNTY OF HARRIS

BEFORE ME this 20th day of September 2016, personally appeared **Charles H. Dewey**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.





Notary Public

WITNESSED:

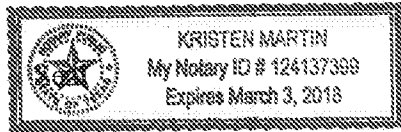
IN WITNESS WHEREOF I, Shantanu N. Swadi, have hereunto set my hand and seal this 9th day of NOVEMBER, 2016.

Shantanu Swadi
Shantanu N. Swadi

STATE OF TEXAS

COUNTY OF HARRIS

BEFORE ME this 9th day of NOVEMBER, 2016, personally appeared Shantanu N. Swadi, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Kristen Martin
Notary Public

WITNESSED:

IN WITNESS WHEREOF I, **Walter E. Friedl**, have hereunto set my hand and seal this
9 day of September, 2016.

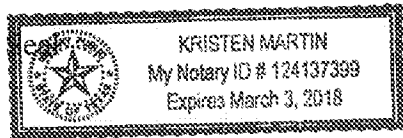
Walter E. Friedl

Walter E. Friedl

STATE OF TEXAS

COUNTY OF HARRIS

BEFORE ME this 9th day of September, 2016, personally appeared **Walter E. Friedl**,
to me known to be the person who is described in and who executed the foregoing assignment
instrument and acknowledged to me that he executed the same of his own free will for the purpose
therein expressed.

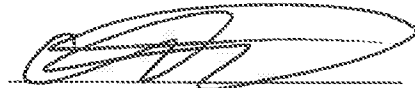


Kristen Martin

Notary Public

WITNESSED:

IN WITNESS WHEREOF I, Christopher Kang Potter, have hereunto set my hand and seal this 15 day of October, 2019.


Christopher Kang Potter


STATE OF Georgia

COUNTY OF Hall

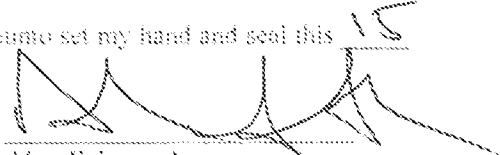
BEFORE ME this 14th day of October, 2019, personally appeared Christopher Kang Potter, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Seal




Notary Public

IN WITNESS WHEREOF I, Alan Fairweather, have hereunto set my hand and seal this 15
day of October, 2019.


Alan Fairweather

BE IT KNOWN that Alan Fairweather, is to me known to be the individual described in the foregoing assignment, that on the aforementioned date, I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

KIRSTIE M'LAULAY CHALMERS
Witness

.....
Witness

174 BIRKBECK PARADE

.....

ABERDEEN

.....

ABILE BOX

.....

.....
Post Office Address

.....
Post Office Address

**Schedule A
"COMPANIES"**

SMITH INTERNATIONAL, INC.

Corporation of: United States of America
Located at: 1310 Rankin Road, Houston, TX 77073 U.S.A.
Assignee for applications in: United States of America

SCHLUMBERGER CANADA LIMITED

Corporation of: Canada
Located at: 125 -- 9 Avenue SE, Calgary, Alberta T2G 0P6
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

PRAD RESEARCH AND DEVELOPMENT 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: 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.

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 not otherwise listed.