

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Geoff Downton</td> <td>04/19/2007</td> </tr> <tr> <td>Peter Hornblower</td> <td>04/19/2007</td> </tr> <tr> <td>Martin Bayliss</td> <td>04/23/2007</td> </tr> <tr> <td>Edward Richards</td> <td>04/23/2007</td> </tr> </tbody> </table>		Name	Execution Date	Geoff Downton	04/19/2007	Peter Hornblower	04/19/2007	Martin Bayliss	04/23/2007	Edward Richards	04/23/2007
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Geoff Downton	04/19/2007										
Peter Hornblower	04/19/2007										
Martin Bayliss	04/23/2007										
Edward Richards	04/23/2007										
RECEIVING PARTY DATA											
Name:	Schlumberger Technology Corporation										
Street Address:	110 Schlumberger Drive										
City:	Sugar Land										
State/Country:	TEXAS										
Postal Code:	77478										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11830047</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11830047						
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Application Number:	11830047										
CORRESPONDENCE DATA											
Fax Number:	(281)285-8821										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	2812858500										
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ATTORNEY DOCKET NUMBER:	92.1164										
NAME OF SUBMITTER:	MATTHIAS ABRELL										

CH \$40.00 11830047

Total Attachments: 7

500337546

**PATENT
 REEL: 019716 FRAME: 0110**

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ASSIGNMENT

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

Geoff Downton citizen of the **United Kingdom** whose post office address is 2 Ricardo Road, Minchinhampton, Gloucestershire, GL6 9BY, UK

Peter Hornblower citizen of the **United Kingdom** whose post office address is Flat 1, 18 Horstmann Close, Bath, BA1 3NZ, UK

Martin Bayliss citizen of the **United Kingdom** whose post office address is Flat 14, Alpine Court, Stratford Road, Stroud, Gloucestershire, GL5 4AJ, UK

Edward Richards citizen of **United Kingdom** whose post office address is 1 Addison Avenue, Stratford-Upon-Avon, Warwickshire, CV37 7PL UK

Have invented certain new and useful improvements in:

TOOL FACE SENSOR METHOD

as described and set forth in an application for Letters Patent of the United States of America, attached herein.

WHEREAS each of the undersigned persons warrants that no person other than these undersigned persons are inventors of the above-described invention;

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.

SCHEDULE A
"COMPANIES"

PRAD RESEARCH AND DEVELOPMENT N.V.

Corporation of: the Netherlands Antilles

Located at: De Ruyterkade 62, Willemstad, Curacao, Netherlands Antilles

Assignee for applications in: Algeria, Angola, Bahrain, Bangladesh, Bolivia, Brazil, Cameroon, Chad, Chile,, China, Congo, Czech Republic, Ecuador, Egypt, Equatorial Guinea, Gabon, India, Iran, Iraq, Ivory Coast, Jordan, Libya, Morocco, Namibia, Niger, Nigeria, Pakistan, Papua New Guinea, Peru, Somalia, Sudan, Syria, Taiwan, Tunisia, Vietnam, Yemen, United Arab Emirates

SCHLUMBERGER CANADA LIMITED

Corporation of: Canada

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

Assignee for applications in: Canada

SCHLUMBERGER HOLDINGS LIMITED

Corporation of: the Netherlands

Located at: PO Box 71, Craigmuir Chambers, Road Town, Tortola, BVI

Assignee for applications in: Japan, Great Britain, The Netherlands, Saudi Arabia

SCHLUMBERGER TECHNOLOGY CORPORATION

Corporation of: USA

Located at: 110 Schlumberger Drive, Sugar Land, TX 77478 US

Assignee for applications in: USA

SCHLUMBERGER TECHNOLOGY B.V.

Corporation of: the Netherlands

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

Assignee for applications in: Albania, Argentina, Australia, Azarbaijan, Brunei, Bulgaria, Colombia, Czech Republic, Denmark, Faroe Islands, Germany, Greece, Hungary, Indonesia, Ireland, Israel, Italy, Kazakhstan, Korea, Kuwait, Lithuania, Malaysia, Mexico, New Zealand, Norway, Oman, Pakistan, Poland, Qatar, Romania, Russia, Slovakia, Slovenia, South Africa, Thailand, Trinidad, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Venezuela

SERVICES PETROLIERS SCHLUMBERGER

Corporation of: France

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

Assignee for applications in: France

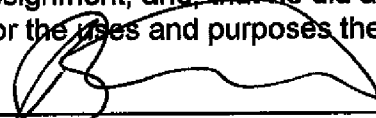
IN WITNESS WHEREOF, I, **Geoff Downton**, have hereunto set my hand and seal this 19th day of April, 2007.


(signature of Inventor)

WITNESSED:

BE IT KNOWN that **Geoff Downton** is to me known to be the individual described in the foregoing assignment, that on this 19 day of APRIL, 2007, 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.

DENATTOS
Witness


Witness

Diana Mattos

Brian Stevers

12 Vervain Close

Cotswold View, Bath Rd

Churchdown

Nailsworth

Gloucestershire GL3 1LT UK
Post Office Address

Glos GL6 1DL UK
Post Office Address

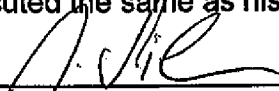
IN WITNESS WHEREOF, I, **Peter Hornblower**, have hereunto set my hand and seal this 19th day of April, 2007.



(signature of Inventor)

WITNESSED:

BE IT KNOWN that **Peter Hornblower** is to me known to be the individual described in the foregoing assignment, that on this 19 day of APRIL, 2007, 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.



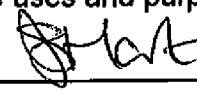
Witness

JOACHIM SIHLER

SCHLUMBERGER SHTC

BRUNEL WAY, STROUDWATER B. PARK

STONEHOUSE, GL10 3SX, UK
Post Office Address



Witness

STEVE HART

153 LONG CROFT

YATE

BS37 7YN
Post Office Address

IN WITNESS WHEREOF, I, **Martin Bayliss** have hereunto set my hand and seal this 23rd day of April, 2007.

M Bayliss
(signature of inventor)

WITNESSED:

BE IT KNOWN that **Martin Bayliss** is to me known to be the individual described in the foregoing assignment, that on this 23 day of APRIL, 2007, 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.

Ranjit
Witness

RANJIT UNNIKRAISHNAN
21, WESTERN COURT
WESTERN ROAD
CHELTENHAM GL50 3RH, UK
Post Office Address

Witness

YAN HERMANN
77 Arrowsmith Drive
Stonehouse GL10 2QS, UK
Post Office Address

IN WITNESS WHEREOF, I, **Edward Richards** have hereunto set my hand and seal this 23rd day of April, 2007.

Edward Richards
(signature of Inventor)

WITNESSED:

BE IT KNOWN that **Edward Richards** is to me known to be the individual described in the foregoing assignment, that on this 23 day of APRIL, 2007, 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.

KEITH E HORNE
Witness

ANDREW SADDLE-1
Witness

KEITH E HORNE
6 ALBION TERRACE
STONEHOUSE
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Post Office Address

ANDREW SADDLE-1
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