

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Andrew Strong	07/08/2009
Arthur H. Hartog	07/08/2009
<b>RECEIVING PARTY DATA</b>	
Name:	Schlumberger Technology Corporation
Street Address:	300 Schlumberger Technology Corporation
Internal Address:	14910 Airline Road
City:	Sugar Land
State/Country:	TEXAS
Postal Code:	77478
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12518971
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(281)285-5537
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	281-285-6470
Email:	VSOLIS2@SLB.COM
Correspondent Name:	SCHLUMBERGER RESERVOIR COMPLETIONS
Address Line 1:	14910 AIRLINE ROAD
Address Line 4:	ROSHARON, TEXAS 77583
ATTORNEY DOCKET NUMBER:	101.0213
NAME OF SUBMITTER:	Daryl R. Wright
Total Attachments: 5 source=101-0213_Assignment#page1.tif source=101-0213_Assignment#page2.tif	

CH \$40.00 12518971

**501019280**

**PATENT**  
**REEL: 023537 FRAME: 0677**

source=101-0213\_Assignment#page3.tif  
source=101-0213\_Assignment#page4.tif  
source=101-0213\_Assignment#page5.tif

### Assignment

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

**Andrew Strong**, a citizen of the United Kingdom, residing at 21 Meon Road, Romsey, Hampshire, SO51 5PU, UK;

and

**Arthur H. Hartog**, a citizen of Canada, residing at Meadow Cottage, Martyr Worthy, Winchester, Hants SO21 1DZ, UK;

Has/have invented certain new and useful improvements in

**FAULT-TOLERANT DISTRIBUTED FIBER OPTIC INTRUSION DETECTION**

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 June 12, 2009, Serial No.12/518971, (Docket No.101.0213).

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.

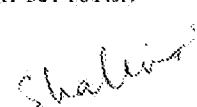
AND said Inventors do hereby covenant and warrant that said Inventors have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that no said Inventors has executed and will execute any instruments in conflict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

IN WITNESS WHEREOF I, Andrew Strong, have hereunto set my hand and seal this  
8th day of July, 2009.

  
 \_\_\_\_\_  
 Andrew Strong

BE IT KNOWN that Andrew Strong is to me known to be the individual described in the foregoing assignment, that on this 8th day of July, 2009, 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

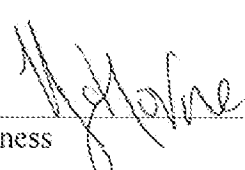
SHALINI GUPTA

17 DRUM ROAD

EASTLEIGH

SOSO SST

Post Office Address

  
 \_\_\_\_\_  
 Witness

22 Mead Drive

Gosport

Hampshire

PO12 2SR

Post Office Address

IN WITNESS WHEREOF I, **Arthur H. Hartog**, have hereunto set my hand and seal this  
8<sup>th</sup> day of July, 2001.

Arthur H. Hartog  
 Arthur H. Hartog

BE IT KNOWN that **Arthur H. Hartog** is to me known to be the individual described in the foregoing assignment, that on this \_\_\_\_\_ day of \_\_\_\_\_, 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.

Al. A. v. m.  
 Witness

1, Collinswood Ave

TULWORTH, SURREY.

WIDEPORT  
 Post Office Address

Shelvin  
 Witness

18, Drum Road

Eastleigh

SO 50 5ST

Post Office Address

## 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: 525-3<sup>rd</sup> 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: the Netherlands

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

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

### **PRAD RESEARCH AND DEVELOPMENT LIMITED**

Corporation of: the Netherlands Antilles

Located at: Craigmuir Chambers, Road Town, Tortola, British Virgin Islands.

Assignee for applications in: Algeria, Angola, Brazil, China, Ecuador, Egypt, Eurasia, Gulf Cooperation Council, India, Nigeria, Singapore, Ukraine, United Arab Emirates, and Rest of World