

PATENT ASSIGNMENT

Electronic Version v08

Stylesheet Version v02

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| James E. Brooks | 2004-10-26 |
| Nolan C. Lerche | 2004-11-02 |
| Anthony F. Veneruso | 2004-10-25 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|--------------------|----------|
| Application Number | 10711809 |

CORRESPONDENCE DATA

FAX NUMBER: 2812855537

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 035204

NAME OF PERSON SIGNING:

Jaime A. Castano

DATE SIGNED:

2004-11-04

Total Attachments: 6

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PATENT

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REEL: 015331 FRAME: 0066

Assignment

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

James E. Brooks, a citizen of the United States of America, residing at 9520 Oak Crest Dr. Manvel, Texas 77578;

Nolan C. Lerche, a citizen of the United States of America, residing at 12114 Dorrance, Stafford, Texas 77477; and

Anthony F. Veneruso, a citizen of the United States of America, residing at 4223 Lakeshore Forest, Missouri City, Texas 77459;

Has/have invented certain new and useful improvements in

Integrated Detonators For Use With Explosive Devices

as described and set forth in a provisional patent application filed with the United States Patent and Trademark Office on February 19, 2004, Serial No. 60/521,088, and an application for Letters Patent of the United States of America, filed with the United States Patent and Trademark Office on 10/6/04, Serial No. 10/711 809 (Docket No. 22.1552).

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.

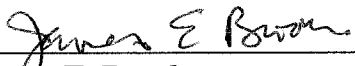
AND said Inventors do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said **COMPANIES**, their successors and assigns, as the assignee of the entire right, title and interest in and to the same, 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.

IN WITNESS WHEREOF I, **James E. Brooks**, have hereunto set my hand and seal this

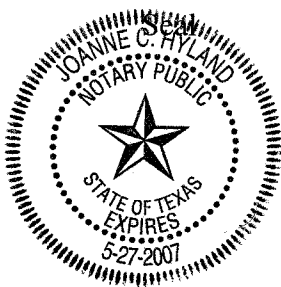
26 day of Oct, 2004.

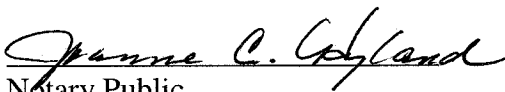

James E. Brooks

STATE OF TEXAS

COUNTY OF BRAZORIA

BEFORE ME this 26 day of October, 2004, personally appeared **James E. Brooks**, 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

IN WITNESS WHEREOF I, **Nolan C. Lerche**, have hereunto set my hand and seal this

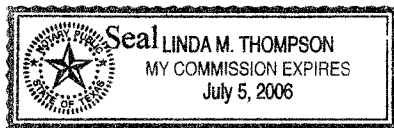
2 day of November, 2004.


Nolan C. Lerche

STATE OF TEXAS

COUNTY OF FT BEND

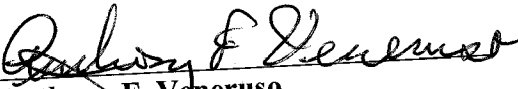
BEFORE ME this 2nd day of November, 2004, personally appeared **Nolan C. Lerche**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.




Notary Public

IN WITNESS WHEREOF I, **Anthony F. Veneruso**, the Inventor, have hereunto set my hand.

Oct 25, 2004
Date


Anthony F. Veneruso

WITNESSED:

BE IT KNOWN that **Anthony F. Veneruso** is to me known to be the individual described in the foregoing assignment, that on this 25 day of October, 2004, 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.

JEAN-Philippe BEAULIEU
Witness

48, Ave Paul Signac
93100
MONTREUIL
FRANCE
Post Office Address



Ericoann LEMENAGER
Witness

94 RUE DE LA TOURBE ISSOIRE
75014 PARIS
FRANCE

Post Office Address



Schedule A
“COMPANIES”

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: P.O. Box 71, Craigmuir Chambers, Road Town, Tortola, BVI

Assignee for applications in: Great Britain, Japan, Malaysia, The Netherlands

SCHLUMBERGER TECHNOLOGY CORPORATION

Corporation of: USA

Located at: 300 Schlumberger Drive, Sugar Land, TX 77478 US

Assignee for applications in: USA

SERVICES PETROLIERS SCHLUMBERGER

Corporation of: France

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

Assignee for applications in: France