

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Chi-Huang M. Chang	08/20/1995
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Halliburton Energy Services, Inc.
<b>Street Address:</b>	10200 Bellaire Boulevard
<b>City:</b>	Houston
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77072
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12516406
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	1391-70302
<b>NAME OF SUBMITTER:</b>	Carol E. Smith
<b>Total Attachments: 2</b> source=1391-70302 Crawford-Chang Statement#page1.tif source=1391-70302 Crawford-Chang Statement#page2.tif	

CH \$40.00 12516406

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:	Don L. Crawford et al.	§	ART UNIT:	3672
		§		
SERIAL NO.:	12/516,406	§		
		§	EXAMINER:	Hoang C. Dang
FILED:	May 27, 2009	§		
		§		
FOR:	Apparatus and Methods for	§	CONFIRMATION NO.:	7921
	Sidewall Percussion Coring	§		
	Using a Voltage Activated	§		
	Igniter	§		

**STATEMENT THAT INVENTION WAS MADE BY INVENTOR WHILE  
EMPLOYED BY 37 CFR § 1.47(b) APPLICANT**

Atty. Dkt. No.: 1391-70302  
Date: November 22, 2010

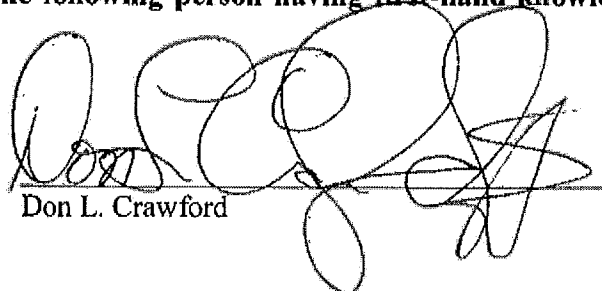
Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

The invention that is the subject of the above-identified patent application was made by three inventors: Don L. Crawford, Chi-Huang M. Chang, and David L. Pozas. Inventors Pozas and Crawford have assigned our interests in the patent application to the Halliburton Company. Our executed Assignments have been filed and recorded at the U.S. Patent Office in connection with the patent application.

Inventor Chang did not execute an Assignment of his rights in the patent application prior to his death. Even so, I attest that Mr. Chang's contribution to the invention that is the subject of the above-identified patent application was made by Mr. Chang during his employment by the Halliburton Company.

**This statement is being made by the following person having first-hand knowledge of the facts recited therein:**

Date: 11/22/2010

  
Don L. Crawford

# PATENT AGREEMENT OF HALLIBURTON COMPANY

The undersigned employee, so long as he is in the employ of Halliburton Company, a Delaware corporation, and/or a Halliburton Company subsidiary or division (each such entity as used herein being defined as "Company") shall, as soon as he has conceived, devised or invented, in whole or in part, and either solely or jointly, with any other person or persons, any process, machine, manufacture or composition of matter relating to business of the Company, or any improvement thereof, shall, and hereby agrees to submit to the Patent Department of the Company, or to such other person as the Company may direct, a full disclosure of such conception or invention. This disclosure shall include a sketch of the invention, where possible of illustration, together with a description thereof, and shall bear the signature of the inventor, and the date upon which he signed the sketch or description. The sketch or description shall be witnessed by at least two persons who shall also sign and date the same and to whom the invention must have been fully disclosed.

In consideration of the agreement of the Company to employ or continue to employ the undersigned, it being understood that such employment may be terminated at the will of the Company, the undersigned hereby agrees to assign to the Company, its successors and assigns, his entire right, title, and interest in and to all inventions which relate to Company business and all applications for Letters Patent thereon which may be filed; it being expressly agreed that any application for Letters Patent made by the undersigned within one year after the termination of his period of employment with the Company covering or relating to any matters of Company business shall be deemed to cover inventions conceived during the term of his employment within the Company and shall be subject to this Agreement.

The undersigned also agrees that, whenever the Company shall request it, he will without further consideration apply for Letters Patent for any or all of such inventions in all countries desired by the Company, but at the expense of the Company, and will sign any and all papers, take all lawful oaths and do all lawful acts required in or concerning such applications, and/or divisions, continuations or renewals thereof and any application for the reissuance of patents granted thereon or on such divisions, continuations or renewals of such applications and will at the expense of the Company assist in all proper ways, as by giving testimony in the conduct of any interference proceeding or litigation in which the priority or originality of inventions respecting any of said inventions or the validity or the scope of patents granted thereon shall be involved or concerned.

The Company may make special awards for inventions from time to time but nothing herein contained shall be construed as obligating the Company to make a special award for any invention.

The undersigned also agrees that he will not, during or at any time after the period of his employment by the Company, use for himself or others, or divulge to others any secret or confidential information, knowledge, or data of the Company, obtained as a result of his employment, unless authorized by the Company in writing.

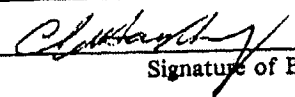
The undersigned further agrees that all memoranda, notes, records, drawings, or other documents made or compiled by him or made available to him while employed by the Company concerning any process, apparatus, or product manufactured, used, developed, investigated, or considered by the Company or concerning any other Company activity shall be the Company's property and shall be delivered to the Company on the termination of his employment or at any other time upon request.

This Agreement may not be considered as modified in any respect by any verbal statement made by any employee of the Company with the undersigned, or by any written document by an employee of the Company other than an officer thereof.

The undersigned further declares that he does not now own or claim any patents, patent rights or inventions relating to business of the Company other than the following, which have not been assigned to the Company:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dated at \_\_\_\_\_, 19 \_\_\_\_  
this 20<sup>TH</sup> day of AUGUST, 19 95.

  
\_\_\_\_\_  
Signature of Employee

\_\_\_\_\_  
Name Typed or Printed