

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Michael S. Bittar	09/23/2002
Jesse K. Hensarling	09/23/2002
RECEIVING PARTY DATA	
Name:	Halliburton Energy Services, Inc.
Street Address:	10200 Bellaire Boulevard
City:	Houston
State/Country:	TEXAS
Postal Code:	77072
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11243131
CORRESPONDENCE DATA	
Fax Number:	(512)610-3456
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	713-238-8000
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Correspondent Name:	Mark E. Scott
Address Line 1:	CONLEY ROSE, P.C.
Address Line 2:	P. O. Box 3267
Address Line 4:	Houston, TEXAS 77253-3267
ATTORNEY DOCKET NUMBER:	1391-33807
NAME OF SUBMITTER:	Mark E. Scott

Total Attachments: 3
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PATENT
REEL: 024635 FRAME: 0837

CH \$40.00 11243131

ASSIGNMENT

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to us by HALLIBURTON ENERGY SERVICES, INC., and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Michael S. Bittar and Jesse K. Hensarling ("ASSIGNORS"), having made an invention in RUGGEDIZED MULTI-LAYER PRINTED CIRCUIT BOARD BASED DOWNHOLE ANTENNA while in the employ either as an employee or consultant of HALLIBURTON ENERGY SERVICES, INC., a corporation organized and existing under the laws of the State of Delaware, doing business at Houston, Texas (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in RUGGEDIZED MULTI-LAYER PRINTED CIRCUIT BOARD BASED DOWNHOLE ANTENNA;
2. United States of America patent application on said invention, Attorney's File No. 1391-33800, executed by us concurrently herewith, entitled RUGGEDIZED MULTI-LAYER PRINTED CIRCUIT BOARD BASED DOWNHOLE ANTENNA;
3. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, whether in the United States of America or any other place anywhere in the world;
4. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world;
5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitations, those obtained or permissible under past, present and future law and statutes;

6. All rights of action on account of past, present and future unauthorized use of said invention for infringement of said patents and like protection;
7. The right to ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and
8. All international rights of priority associated with said invention, applications, patents and like protection;

and we covenant that we, our heirs, legal representatives, assigns, administrators, and executors will at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

EXECUTED at the place and on the date indicated below, opposite our signatures.

9/23/, 2002
Date

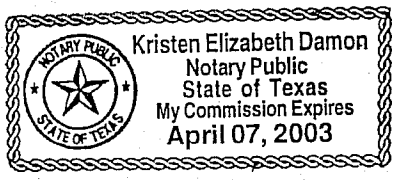
Michael S. Bittar
Michael S. Bittar

Place: Houston

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared Michael S. Bittar, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 23 day of September 2002.



Kristen Elizabeth Damon
Notary Public in and for
the State of TEXAS

My Commission Expires:
4-7-03

9/23/2002, 2002
Date

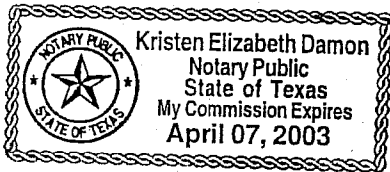
Jesse K. Hensarling
Jesse K. Hensarling

Place: Houston

THE STATE OF TEXAS §
§
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared Jesse K. Hensarling known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 23rd day of September 2002.



Kristen Elizabeth Damon

Notary Public in and for
the State of TEXAS

My Commission Expires:
4-7-03