

# PATENT ASSIGNMENT

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Clovis S. Bonavides	06/02/2011
Jim T. Hill	06/01/2011
Daniel F. Dorffer	06/01/2011
<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>PCT Number:</b>	US1138900
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(713)715-7384
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Email:</b>	howard@hspeight.com
<b>Correspondent Name:</b>	Howard L. Speight
<b>Address Line 1:</b>	9601 Katy Freeway, Suite 280
<b>Address Line 4:</b>	Houston, TEXAS 77024
<b>ATTORNEY DOCKET NUMBER:</b>	2011IP045564
<b>NAME OF SUBMITTER:</b>	Howard L. Speight
<b>Total Attachments: 4</b> source=US1138900Assignment#page1.tif source=US1138900Assignment#page2.tif source=US1138900Assignment#page3.tif source=US1138900Assignment#page4.tif	

OP \$40.00 US1138900

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**PATENT**  
**REEL: 026394 FRAME: 0174**

## ASSIGNMENT

WHEREAS, We, Clovis S. Bonavides, residing at 19214 Hanston Ct., Houston, TX 77094; Jim T. Hill, residing at 3214 Rushing Brook Drive, Kingwood, TX 77345, and Daniel F. Dorffer, residing at 19630 Ivory Mills Lane, Houston, TX 77094, made certain new and useful inventions and improvements for which we executed an international patent on even date herewith, which is entitled CHANGING THE STATE OF A SWITCH THROUGH THE APPLICATION OF POWER, attorney docket number 2011IP045564;

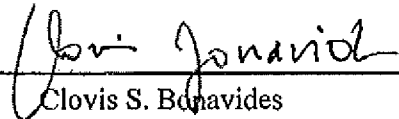
AND WHEREAS, Halliburton Energy Services Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 10200 Bellaire Blvd., Houston, Texas 77072 (hereinafter 'Assignee'), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 02 day of  
JUNE, 2011.

  
\_\_\_\_\_  
Clovis S. Bonavides

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of  
\_\_\_\_\_, 2011.

\_\_\_\_\_  
Jim T. Hill

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of  
\_\_\_\_\_, 2011.

\_\_\_\_\_  
Daniel F. Dorffer

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\_\_\_\_\_  
Clovis S. Bonavides

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1<sup>st</sup> day of JUNE, 2011.

  
\_\_\_\_\_  
Jim T. Hill

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\_\_\_\_\_  
Daniel F. Dorffer

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\_\_\_\_\_  
Clovis S. Bonavides

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\_\_\_\_\_  
Jim T. Hill

IN TESTIMONY WHEREOF, I have hereunto set my hand this 01 day of JUNE, 2011.

  
\_\_\_\_\_  
Daniel F. Dorffer