

**PATENT ASSIGNMENT**

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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>
Luc de Boer	12/19/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DUAL GRADIENT SYSTEMS, LLC
<b>Street Address:</b>	2402 DRS Drive
<b>City:</b>	Richmond
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77406
<b>PROPERTY NUMBERS Total: 7</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	11284334
Application Number:	12196573
Patent Number:	6926101
Patent Number:	6966392
Patent Number:	7090036
Patent Number:	7093662
Application Number:	12196601
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**CH \$280.00 11284334**

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Total Attachments: 5 source=Assn#page1.tif source=Assn#page2.tif source=Assn#page3.tif source=Assn#page4.tif source=Assn#page5.tif	

**ASSIGNMENT**

WHEREAS, Luc de Boer ("ASSIGNOR"), a citizen of the United States, residing at 7516 Olympia Drive, Houston, Texas 77063 has developed and is the owner of certain inventions and their related patents and patent applications, as embodied in and represented by application for Letters Patent of the United States of America, all of which are more particularly set forth in Schedule A, Schedule B and Schedule C, attached hereto and made a part of this Assignment (collectively, "Intellectual Property"); and

WHEREAS, the ASSIGNOR is desirous of assigning all of its rights in the Intellectual Property to Dual Gradient Systems, LLC. ("ASSIGNEE"), a corporation, of Delaware, doing business at 2402 DRS Drive, Richmond, Texas 77406.


**NOW, THEREFORE, subject to the terms, conditions, covenants and provisions of this Assignment, and in consideration of Ten Dollars (\$10.00) and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the ASSIGNOR, the parties hereto, intending legally to be bound, agree as follows:**

ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns, said ASSIGNOR'S entire right, title and interest in the Intellectual Property, including, without limitation, (i) all United States and foreign rights therein, whether patentable or not, and in and to aforesaid patents, patent applications and any divisions or continuations thereof, and any patents or similar registrations obtained for the said Intellectual Property in the United States and foreign countries, or issuing out of said application or any such division or continuation thereof, and any reissues or extensions of any such patents and (ii) all causes of action, past, present, and future, for infringement, unfair competition or otherwise with respect to the Intellectual Property and all disclosures of ideas, whether or not patentable and all pending applications.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

ASSIGNOR hereby covenants that (i) it has the full right to convey its entire right, title and interest in said Intellectual Property, and (ii) it has not executed and will not execute any agreement in conflict herewith.

ASSIGNOR further covenants that it will, at any time, upon ASSIGNEE'S request, execute and deliver any and all papers that may be necessary or desirable to perfect the title in the Intellectual Property, or any patents that may be granted therefore, in the ASSIGNEE, its successors and assigns, and if ASSIGNEE, or its assignee, desires to make a substitute, divisional or continuation application for said Intellectual Property, or to secure a reissue or extension of said Letters Patent, to file a disclaimer relating thereto, or an application for a corresponding patent in any foreign country, or undertake any other act to secure and protect the ASSIGNEE'S rights in the Intellectual Property, that it will upon request, sign all papers, make all rightful oaths, and do all lawful acts requisite for the said purposes, but at the expense of the ASSIGNEE.

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Schedule A  
U.S. Patent Applications

Title	Pat. App No.	Filing Date
Dual Gradient Drilling Method And Apparatus With Multiple Concentric Drill Tubes	11/284,334	11/21/2005
Dual Gradient Drilling Method And Apparatus With Multiple Concentric Drill Tubes	12/196,573	08/22/2008
Dual Gradient Drilling Method And Apparatus With An Adjustable Centrifuge	12/196,601	08/22/2008

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Schedule B  
U.S. Patents

Title	Pat App No.	Filing Date	Patent No.	Issue Date
System And Method For Treating Drilling Mud In Oil And Gas Well Drilling	10/390,528	03/17/2003	6,926,101	08/09/2005
Method For Varying The Density Of Drilling Fluids In Deep Water Oil And Gas	10/462,209	6/13/2003	6,966,392	11/22/2004
System For Drilling Oil And Gas Wells By Varying The Density Of Drilling Fluids To Achieve Near-Balanced, Underbalanced, Or Overbalanced Drilling Conditions	10/622,025	07/17/2003	7,090,036	08/15/2006
System For Drilling Oil And Gas Wells Using A Concentric Drill String To Deliver A Dual Density Mud	10/696,331	10/29/2003	7,093,662	08/22/2006

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Schedule C  
Foreign Patent Applications

Title	Pat App No.	Filing Date
Method And Apparatus For Varying The Density Of Drilling Fluids In Deep Water Oil Drilling Applications	PCT/US03/34993	11-03-2003
System And Method For Treating Drilling Mud In Oil And Gas Well Drilling Applications	PCT/US04/07879	03-16-2004
System For Drilling Oil And Gas Wells Using A Concentric Drill String To Deliver A Dual Density Mud	PCT/US04/35977	10-29-2004
Method for varying the density of drilling fluids in deep water oil and gas drilling applications	PCT/US06/45379	11-21-2006

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