

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
David R. Hall	08/06/2008
<b>RECEIVING PARTY DATA</b>	
Name:	NovaDrill, Inc.
Street Address:	2185 South Larsen Parkway
City:	Provo
State/Country:	UTAH
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<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12432231
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ATTORNEY DOCKET NUMBER:	53674-10654
NAME OF SUBMITTER:	Craig Buschmann
Total Attachments: 7 source=20110225_Assign_Hall_to_NovaDrill#page1.tif source=20110225_Assign_Hall_to_NovaDrill#page2.tif source=20110225_Assign_Hall_to_NovaDrill#page3.tif source=20110225_Assign_Hall_to_NovaDrill#page4.tif source=20110225_Assign_Hall_to_NovaDrill#page5.tif source=20110225_Assign_Hall_to_NovaDrill#page6.tif source=20110225_Assign_Hall_to_NovaDrill#page7.tif	

**CH \$40.00 12432231**

## PATENT ASSIGNMENT

This PATENT ASSIGNMENT (the "Assignment") is effective August 6, 2008, by and between David R. Hall, an individual residing in the State of Utah (the "Assignor"), and NovaDrill, Inc., a limited liability company existing under the laws of the State of Delaware (the "Assignee"); collectively, the Assignor and the Assignee are referred to as the "Parties."

### WITNESSETH:

The Assignor is the owner of the entire right, title and interest in and to certain patents and patent applications listed on Exhibit A annexed hereto and may have rights to the patents in Exhibit B (collectively referred to as the "Patents"), and the Assignee is desirous of acquiring all right, title and interest in and to the Patents and related intellectual property.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby sells, assigns and transfers to the Assignee the entire right, title and interest in and to the Patents in Exhibit A and all of his rights to the Patents in Exhibit B, if any, throughout the world and the inventions and designs covered thereby, including the right to claim priority and the right to any continuation, division, continuation-in-part or substitute application thereof and the right to any renewal, reissue, restoration, extension or reexamination of any patent thereof, together with all claims by the Assignor for damages and other recoveries by reason of past infringements of the Patents with the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns and other legal representatives, the same to be held and enjoyed by the Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and legal representatives, to the end of the terms for which the Patents have been or will be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor if this Assignment had not been made.

The Assignor agrees that when requested by the Assignee it will, at the sole cost of the Assignee, execute all documents necessary or desirable to properly vest full right, title and interest in and to all Patents throughout the world in the name of the Assignee or which, in the sole judgment of the Assignee, may be necessary to obtain, maintain, issue or enforce said Patents.

**[Remainder of this page intentionally left blank]**

IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be executed and delivered, and Assignee accepts this Assignment executed and delivered, as of the date first above written.

**ASSIGNOR:**

  
\_\_\_\_\_

David R. Hall

**ASSIGNEE:**

NOVADRILL, INC.

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be executed and delivered, and Assignee accepts this Assignment executed and delivered, as of the date first above written.

**ASSIGNOR:**

\_\_\_\_\_  
David R. Hall

**ASSIGNEE:**

NOVADRILL, INC.

By: Robert H. Schwartz  
Name: Robert H. Schwartz  
Title: Vice President

## EXHIBIT A

### PATENTS

Patents	
7,105,249	Pressure-Compressed Downhole Battery
7,147,965	Pressure-Balanced Battery for Downhole Tools
7,190,084	Method and Apparatus For Generating Electrical Energy Downhole
7,198,119	Hydraulic Drill Bit Assembly
7,225,886	Drill Bit Assembly with an Indenting Member
7,252,174	Downhole Seismic-Sonic Receiver
7,258,179	Rotary Bit with an Indenting Member
7,265,649	Flexible Inductive Resistivity Device
7,270,196	Drill Bit Assembly (JackBit)
7,277,026	Downhole Component with Multiple Transmission Elements
7,301,429	Multiple Frequency Inductive Resistivity Device
7,308,795	Method and Apparatus for Cooling Electrical Components Downhole
7,328,755	Hydraulic Drill Bit Assembly
7,337,858	A Drill Bit Assembly Adapted to Provide Power Downhole
7,360,610	Drill Bit Assembly for Directional Drilling
7,377,315	Complaint Covering of a Downhole Component
7,382,273	Wired Tool String Component

Pending PCT Applications	
PCT/US06/43107	Drill Bit Assembly with an Indenting Member
PCT/US06/43125	Drill Bit Assembly
PCT/US07/64539	A Drill Bit Assembly Adapted to Provide Power Downhole
PCT/US07/64544	Drill Bit Assembly with a Logging Device
PCT/US07/86323	System for steering a drill string
PCT/US07/86449	Apparatus and Method for Vibrating a Drill Bit
PCT/US08/57677	Downhole Tool String Component

Pending U.S. Applications	
10/453,290	Pressure-Balanced Battery for Downhole Tools
10/633,819	Pressure-Compressed Downhole Battery
10/633,889	Pressurized Battery For High-Temperature, High-Pressure Environment
10/931,864	High-Speed, Downhole, Seismic Measurement System
10/965,563	Apparatus and Method for Seismic Measurement-While-Drilling
10/982,478	Method for Distributing Electrical Power to Downhole Tools
10/982,612	Method and Apparatus For Generating Electrical Energy Downhole
11/008,467	Method and Apparatus for Cooling Electrical Components Downhole
11/162,503	Apparatus, System and Method for Flexibly Coupling Sensors to a Downhole Tool
11/277,394	Drill Bit Assembly with a Logging Device
11/278,935	Drill Bit Assembly with a Probe
11/307,196	Thin-film Battery

11/382,324	High-Speed, Downhole, Cross Well Measurement System
11/421,387	Wired Tool String Component
11/428,993	System and Method for Sharing Information between Downhole Drill Strings.
11/467,095	Downhole Electric Power Generator
11/535,036	Jack Element for a Drill Bit
11/549,513	Percussive Drill Bit
11/553,651	A Method of Assembling a Drill Bit with a Jack Element
11/555,334	Cam Assembly in a Downhole Component
11/611,310	System for steering a drill string
11/619,418	Apparatus and Method for Vibrating a Drill Bit
11/668,341	A Jack Element Adapted to Rotate Independent of a Drill Bit
11/673,872	Jack Element in Communication with an Electric Motor and/or Generator
11/673,936	Jet Arrangement for a Downhole Drill Bit
11/679,529	Open Cavity in a Pocket of a Downhole Tool String Component
11/680,997	Bi-center Drill Bit
11/682,758	Seismic Tool
11/686,638	Rotary Valve for a Jack Hammer
11/688,952	Pocket for a Downhole Tool String Component
11/693,838	Drilling at a Resonant Frequency
11/737,034	Rotary Valve for Steering a Drill String
11/739,344	System and Method for Providing Electrical Power Downhole
11/750,700	Jack Element with a Stop-off
11/757,928	A Clutch for a Jack Element
11/759,992	A Drill Bit with an Electrically Isolated Transmitter
11/761,095	Drill Bit Transducer Device
11/766,707	Downhole Pressure Pulse Activated by a Jack Element
11/772,907	Location Device with a Gravity Measuring Device
11/774,645	Retaining Element for a Jack Element
11/774,647	Retaining Element for a Jack Element
11/776,447	Externally Guided and Directed Field Induction Resistivity Tool
11/776,484	Externally Guided and Directed Halbach Array Field Induction Resistivity Tool
11/828,901	Stabilizer Assembly
11/837,321	Downhole Steering
11/841,101	Segmented Sleeve on a Downhole Tool String Component
11/851,094	Downhole Jack Assembly Sensor
11/860,761	Downhole Coils
11/860,795	Downhole Coils
11/861,412	Downhole Component with Multiple Transmission Elements
11/871,480	Drill Bit Nozzle
11/871,644	Indenting Member for a Drill Bit
11/940,091	Downhole Turbine
11/940,117	Downhole Turbine
11/947,949	Tool String Threads
11/956,623	Downhole Drive Shaft Connection
12/019,782	Fluid-activated Hammer Bit
12/021,565	Downhole Power Generation Assembly
12/021,743	Downhole Electrical Connection

12/037,682	Downhole Hammer Assembly
12/037,733	Downhole Hammer Assembly
12/037,764	Downhole Hammer Assembly
12/037,803	Downhole Sensor Assembly
12/039,608	Downhole Valve Mechanism
12/039,635	Downhole Mechanism
12/041,754	Externally Guided and Directed Field Induction Resistivity Tool
12/053,334	Drill Bit Assembly for Directional Drilling
12/109,211	Downhole Sampling Rate
12/134,442	Constricting Flow Diverter
12/135,556	Instrumentation Package in a Downhole Tool String Component
12/141,996	Downhole Component with An Electrical Device in a Blind-hole
29/304,177	Drill Bit
60/914,619	Resistivity Tool

**EXHIBIT B**

**PATENTS**

<b>Patents</b>	
6,253,864	Percussive Shearing Drill Bit
6,367,565	Means for Detecting Subterranean Formations and Monitoring the Operation of a Down-hole, Fluid Driven Percussive Piston