

## **Granted U.S. PATENTS**

9,033,045	Apparatus and method for fracturing portions of an earth formation
8,803,392	Axial magnetic suspension
8,554,482	Monitoring reservoirs using array based controlled source electromagnetic methods
8,535,126	Air flow control mechanism and methods
8,455,402	Wellbore operations using controlled variable density fluid
8,453,760	Method and apparatus for controlling bottomhole temperature in deviated wells
8,444,344	Temporary containment of oil wells to prevent environmental damage
8,348,732	Airflow control system
8,343,894	Controlled variable density fluid for wellbore operations
8,284,075	Apparatus and methods for self-powered communication and sensor network
8,267,197	Apparatus and methods for controlling bottomhole assembly temperature during a pause in drilling boreholes
8,151,878	Apparatus and methods for collecting a downhole sample
8,134,476	Apparatus and methods for self-powered communication and sensor network
8,132,630	Reverse circulation pressure control method and system
8,020,621	Downhole applications of composites having aligned nanotubes for heat transport
8,011,450	Active bottomhole pressure control with liner drilling and completion systems
7,931,098	Steerable bit system assembly and methods
7,836,948	Flow hydraulic amplification for a pulsing, fracturing, and drilling (PFD) device
7,823,689	Closed-Loop downhole resonant source
7,806,203	Active controlled bottomhole pressure system and method with continuous circulation system
7,802,637	Steerable bit system assembly and methods
7,757,784	Drilling methods utilizing independently deployable multiple tubular strings
7,748,474	Active vibration control for subterranean drilling operations
7,730,970	Drilling efficiency through beneficial management of rock stress levels via controlled oscillations of subterranean cutting levels
7,721,822	Control systems and methods for real-time downhole pressure management (ECD control)
7,597,148	Formation and control of gas hydrates
7,806,203	Active controlled bottomhole pressure system and method with continuous circulation system
7,802,637	Steerable bit system assembly and methods
7,757,784	Drilling methods utilizing independently deployable multiple tubular strings
7,748,474	Active vibration control for subterranean drilling operations
7,730,970	Drilling efficiency through beneficial management of rock stress levels via controlled oscillations of subterranean cutting levels
7,721,822	Control systems and methods for real-time downhole pressure management (ECD control)
7,597,148	Formation and control of gas hydrates
7,487,828	Apparatus and method for powering electrical devices along a pipeline
7,400,262	Apparatus and methods for self-powered communication and sensor network
7,353,887	Control systems and methods for active controlled bottomhole pressure systems
7,341,116	Drilling efficiency through beneficial management of rock stress levels via controlled oscillations of subterranean cutting elements
7,313,052	System and methods of communicating over noisy communication channels
7,287,604	Steerable bit assembly and methods
7,219,722	Apparatus and methods for powering downhole electrical devices
7,174,975	Control systems and methods for active controlled bottomhole pressure systems
7,114,581	Active controlled bottomhole pressure system & method
7,096,975	Modular design for downhole ECD-management devices and related methods

7,055,627	Wellbore fluid circulation system and method
7,000,715	Rotary drill bits exhibiting cutting element placement for optimizing bit torque and cutter life
6,854,532	Subsea wellbore drilling system for reducing bottom hole pressure
6,648,081	Subsea wellbore drilling system for reducing bottom hole pressure
6,527,054	Apparatus and method for the disposition of drilling solids during drilling of subsea oilfield wellbores
6,443,249	Rotary drill bits for directional drilling exhibiting variable weight-on-bit dependent cutting characteristics
6,415,877	Subsea wellbore drilling system for reducing bottom hole pressure
6,408,948	Tubing handling for subsea oilfield tubing operations
6,230,828	Rotary drilling bits for directional drilling exhibiting variable weight-on-bit dependent cutting characteristics
6,206,108	Drilling system with integrated bottom hole assembly
6,196,336	Method and apparatus for drilling boreholes in earth formations (drilling liner systems)
6,179,057	Apparatus and method for killing or suppressing a subsea well
6,102,138	Pressure-modulation valve assembly

### **Published and Pending U.S. Patents Applications**

2014/0347152	Axial Magnetic Suspension
2014/0224640	Distillation Solids Removal System and Method
2014/0053666	Wireless Communication Platform for Operation in Conduits