# PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Key Energy Services, Inc	11/29/2007

### RECEIVING PARTY DATA

Name:	Bank of America, NA	
Street Address:	231 South LaSalle Street	
City:	Chicago	
State/Country:	ILLINOIS	
Postal Code:	60697	

#### PROPERTY NUMBERS Total: 46

Property Type	Number
Patent Number:	5297631
Patent Number:	5439066
Patent Number:	5711382
Patent Number:	5988299
Patent Number:	6079490
Patent Number:	6164493
Patent Number:	6168054
Patent Number:	6209639
Patent Number:	6213207
Patent Number:	6212763
Patent Number:	6241020
Patent Number:	6253849
Patent Number:	6276449
Patent Number:	6377189
Patent Number:	6374706
	DATENT

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Patent Number:	6578634
Patent Number:	6728638
Patent Number:	6758095
Patent Number:	6826492
Patent Number:	6898983
Patent Number:	7004456
Patent Number:	7006009
Patent Number:	7006920
Patent Number:	7029422
Patent Number:	7064677
Patent Number:	7114577
Patent Number:	7221155
Patent Number:	7226037
Patent Number:	7228899
Application Number:	10720594
Application Number:	11087366
Application Number:	10942730
Application Number:	11517920
Application Number:	11517919
Application Number:	11518701
Application Number:	11516105
Application Number:	11516153
Application Number:	11691163
Application Number:	11691031
Application Number:	11690904
Application Number:	11691219
Application Number:	11690483
Application Number:	11827052
Application Number:	11850391
Application Number:	11850398
Application Number:	11850405

## CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: KEY ENERGY SERVICES DEAL

NAME OF SUBMITTER: Constance Gall Rhebergen

**Total Attachments: 6** 

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#### PATENT SECURITY AGREEMENT SUPPLEMENT

WHEREAS, Key Energy Services, Inc., a Maryland corporation (herein referred to as the "<u>Debtor</u>"), whose address is 1301 McKinney St., Suite 1800, Houston, TX 77010, owns the letters patent, and/or applications for letters patent, of the United States of America, more particularly described on Schedule 1-A annexed hereto as part hereof (the "<u>Patents</u>");

WHEREAS, Debtor has entered into a Credit Agreement dated as of November 29, 2007 (as amended or otherwise modified from time to time, the "Credit Agreement") with the financial institutions from time to time party thereto (the "Lenders"), Bank of America, N.A., in its capacity as paying agent (in such capacity, the "Paying Agent"), Co-Administrative Agent, Swing Line Lender and L/C Issuer, and Wells Fargo Bank, National Association, in its capacity as Co-Administrative Agent, Swing Line Lender and L/C Issuer.

WHEREAS, in connection with the Credit Agreement, the Debtor and certain subsidiaries of the Debtor have entered into a Security Agreement (as amended or otherwise modified from time to time, the "Security Agreement") in favor of the Paying Agent, pursuant to which the Debtor has granted to the Paying Agent, for the benefit of the holders of the Secured Obligations (as defined in the Security Agreement), a security interest in all right, title and interest of the Debtor in and to the Patents, together with all registrations and recordings thereof, including, without limitation, applications, registrations and recordings in the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country or any political subdivision thereof, all whether now or hereafter owned or licensable by the Debtor, and all reissues, continuations, continuations-in-part, term restorations or extensions thereof, all Patent Licenses (as defined in the Security Agreement) and all proceeds thereof, including, without limitation, any claims by the Debtor against third parties for infringement thereof for the full term of the Patents (the "Collateral"), to secure the prompt payment, performance and observance of the Secured Obligations;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, the Debtor does hereby further confirm, and put on the public record, its grant to the Paying Agent of a security interest in the Collateral to secure the prompt payment, performance and observance of the Secured Obligations.

The Debtor does hereby further acknowledge and affirm that the rights and remedies of the Paying Agent with respect to the grant of and security interest in the Collateral made hereby are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

The Paying Agent's address is 231 South LaSalle St., Chicago, IL 60697.

IN WITNESS WHEREOF, Key Energy Services, Inc. has duly executed or caused this Supplement to the Security Agreement to be duly executed as of November 29, 2007.

KEY ENERGY SERVICES, INC.

By:\_

Achard J. Alario

Chairman, President and Chief Executive

Officer

**PATENT** 

**REEL: 020317 FRAME: 0907** 

## Schedule 1-A

# TO THE PATENT SECURITY AGREEMENT SUPPLEMENT

## **PATENTS:**

PATENT No.	GRANT DATE	TITLE	
5,297,631	03.29.1994	METHOD AND APPARATUS FOR DOWNHOLE OIL WELL PRODUCTION STIMULATION	
5,439,066	08.08.1995	METHOD AND SYSTEM FOR DOWNHOLE REDIRECTION OF A BOREHOLE	
5,711,382	01.27.1998	AUTOMATED OIL RIG SERVICING SYSTEM	
5,988,299	11.23.1999	AUTOMATED OIL RIG SERVICING SYSTEM	
6,079,490	06.27.2000	REMOTELY ACCESSIBLE MOBILE REPAIR UNIT FOR WELLS	
6,164,493	12.26.2000	OIL RECOVERY METHOD	
6,168,054	01.02.2001	OIL RECOVERY SYSTEM AND APPARATUS	
6,209,639	04.03.2001	METHOD OF ENSURING THAT WELL TUBING WAS PROPERLY STRETCHED	
6,213,207	04.10.2001	METHOD OF DISTINGUISHING BETWEEN INSTALLING DIFFERENT SUCKER RODS	
6,212,763	04.10.2001	TORQUE-TURN SYSTEM FOR A THREE-ELEMENT SUCKER ROD JOINT	
6,241,020	06.05.2001	METHOD OF RECORDING A CROSS-LOAD ON A MOBILE REPAIR UNIT FOR A WELL	
6,253,849	07.03.2001	METHOD OF DISTINGUISHING THE RAISING AND LOWERING OF TUBING AND SUCKER RODS	

Schedule 1-A to Patent Security Agreement Supplement

PATENT NO.	GRANT DATE	Tove	
6,276,449	08.21.2001	ENGINE SPEED CONTROL FOR HOIST AND TONGS	
6,377,189	04.23.2002	OIL WELL SERVICING SYSTEM	
6,374,706	04.23.2002	SUCKER ROD TOOL	
6,578,634	06.17.2003	A METHOD OF MONITORING PUMPING OPERATIONS OF A SERVICE VEHICLE AT A WELL SITE	
6,728,638	04.27.2004	A METHOD OF MONITORING OPERATIONS OF MULTIPLE SERVICE VEHICLES AT A WELL SITE	
6,758,095	07.06.2004	TONGS MONITOR WITH LEARNING MODE	
6,826,492	11.30.2004	METHOD OF MANAGING A WELL FILE RECORD AT A WELL SITE	
6,898,983	05.31.2005	MECHANICAL MULTIPLIER FOR A STRAIN GAGE ON A DERRICK	
7,004,456	02.28.2006	ENGINE SPEED LIMITER FOR A HOIST	
7,006,009	02.28.2006	SERVICING SYSTEM FOR WELLS	
7,006,920	02.28.2006	ACTIVITY DATA CAPTURE SYSTEM FOR A WELL SERVICE VEHICLE	
7,029,422	04.18.2006	ERGONOMICS SAFETY WARNING DEVICE AND METHOD TO PREVENT CLUTCH BURNING	
7,064,677	06.20.2006	METHOD OF MONITORING SERVICE OPERATIONS OF A SERVICE VEHICLE AT A WELL SITE	
7,114,577	10.03.2006	SAFEMODE OPERATING SYSTEM FOR A DRILLING OR SERVICE RIG	
(105007)	·		
7,221,155	05.22.2007	INVENTORY COUNTER FOR OIL AND GAS WELLS	
(105017)			

Schedule 1-A to Patent Security Agreement Supplement -2-

PATENT No.	GRANT DATE	TITLE
7,226,037	06.05.2007	A SYSTEM FOR ASSURING ENGAGEMENT OF
(105001)		HYDROMATIC BRAKE ON A DRILLING OR WELL SERVICE RIG
7,228,899	06.12.2007	WARNING DEVICE TO PREVENT CLUTCH
(105019)		BURNING ON A WELL SERVICE RIG

### **PATENTS PENDING:**

APPLICATION No.	FILING DATE	TILE	NEXT ACTION
10/720,594	11.24.2003	CROWN OUT - FLOOR OUT DEVICE FOR A WELL SERVICE RIG	PENDING: RESPONSE TO NOTICE OF APPEAL
11/087,366	03.23.2005	APPARATUS AND METHODOLOGY OF HYDROSTATICALLY TESTING OF OIL FIELD TUBING AND CASING	09.20.2006: INSTRUCTIONS FROM CLIENT TO ABANDON APPLICATION
10/942,730	09.16.2004	A MULTIPLE SENSOR SYSTEM FOR PREVENTING A CROWN-BLOCK INCURSION ON AN OIL WELL RIG	AWAITING NEXT ACTION
11/517,920	09.08.2006	BRAKE SYSTEM FOR A WELL SERVICE OR DRILLING HOIST	AWAITING NEXT ACTION
11/517,919	09.08.2006	METHOD FOR DETERMINING BLOCK PROPERTIES OF A SERVICE RIG BY EVALUATING RIG DATA	AWAITING NEXT ACTION
11/518,701	09.11.2006	METHOD AND SYSTEM FOR EVALUATING TASK COMPLETION TIMES TO DATA	AWAITING NEXT ACTION
11/516,105	09.05.2006	METHOD AND SYSTEM FOR EVALUATING WEIGHT DATA FROM A SERVICE RIG	AWAITING NEXT ACTION
11/516,153	09.05.2006	METHOD AND SYSTEM FOR SETTING AND ANALYZING TUBING TARGET PRESSURES FOR TONGS	AWAITING NEXT ACTION

APPLICATION No.	FILING DATE	TITLE	NEXT ACTION
11/691,163	03.26.2007	METHOD AND SYSTEM FOR CALIBRATING A TUBE SCANNER	AWAITING NEXT ACTION
11/691,031	03.26.2007	METHOD AND SYSTEM FOR EVALUATING AND DISPLAYING DEPTH DATA	AWAITING NEXT ACTION
11/690,904	03.26.2007	METHOD AND SYSTEM FOR INTERPRETING TUBING DATA	AWAITING NEXT ACTION
11/691,219	03.26.2007	METHOD AND SYSTEM FOR DISPLAYING SCANNING DATA FOR OIL WELL TUBING BASED ON SCANNING SPEED	AWAITING NEXT ACTION
11/690,483	03.23.2007	METHOD AND SYSTEM FOR SCANNING TUBING	AWAITING NEXT ACTION
11/827,052 (DIVISIONAL)	07.10.2007	METHOD AND SYSTEM FOR EVALUATING WEIGHT DATA FROM A SERVICE RIG	AWAITING NEXT ACTION
11/850,391	09.05.2007	METHOD AND SYSTEM FOR GOVERNING BLOCK SPEED	AWAITING NEXT ACTION
11/850,398	09.05.2007	METHOD AND SYSTEM FOR CONTROLLING A WELL SERVICE RIG BASED ON LOAD DATA	AWAITING NEXT ACTION
11/850,405	09.05.2007	METHOD AND SYSTEM FOR EVALUATING ROD BREAKOUT BASED ON TONG PRESSURE DATA	AWAITING NEXT ACTION

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Schedule 1-A to Patent Security Agreement Supplement