Form PTO-1595 (Rev. 08/05) OMB No. 0651-0027 (exp. 6/30/2008)

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DOCUMENT NO. 700287398A RECORDATION FORM COVER SHEET PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Wells Fargo Bank Reed Hycalog, Utah, LLC. Name: Internal Address: x No Additional name(s) of conveying party(les) attached? Street Address: 3. Nature of conveyance/Execution Date(s): 400 N. Sam Houston Parkway East Execution Date(s): August 31, 2006 Suite 900 Assignment Merger Change of Name Security Agreement Joint Research Agreement City: Houston Government Interest Assignment State: Texas Executive Order 9424, Confirmatory License 77060 Country: Zip: Additional name(s) & address(es) x Other x No Release of patent security agreement lYes attached? 4. Application or patent number(s): This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) [See Attached Schedule A] Additional numbers attached? X Yes No 5. Name and address to whom correspondence 6. Total number of applications and 90 concerning document should be mailed: patents involved: Name: Jan K. Simpson **FULBRIGHT & JAWORSKI L.L.P.** 3,640.00 7. Total fee (37 CFR 1.21(h) & 3.41) \$ Internal Address: Atty. Dkt.: 10101634 Authorized to be charged by credit card Street Address: Fulbright Tower Authorized to be charged to deposit account 1301 McKinney, Suite 5100 Enclosed None required (government interest not affecting title) Houston City: 8. Payment Information Zip: 77010-3095 State: TX a. Credit Card Last 4 Numbers (713) 651-5383 **Expiration Date** Phone Number: (713) 651-5246 06-2375 Fax Number: b. Deposit Account Number Email Address: jksimpson@fulbright.com Authorized User Name Jan K. Simpson 9. Signature: October 31, 2006 Signatur Date Ĵan K. Simpson ∕/33,283 Total number of pages including cover

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Name of Person Signing

PATENT REEL: 018463 FRAME: 0103

sheet, attachments, and documents:

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EXHIBIT A

			Personal No.	Comp. Diric
Hardmetal Facing for Earth Boring Drill Bit	7/31/97	08/903913	5988302	11/23/99
Bi-Center Bit Adapted to Drill Casing Shoe	10/2/01	09/969,444	6629476	10/7/03
Thrust Face Lubrication System for a Rolling Cutter Drill Bit (Continuation)	1/10/97	08/781217	5931241	8/3/99
Drill Bit Having Offset Roller Cutters and Improved Nozzles	2/29/88	07/162289	4848476	7/18/89
Rolling Cutter Drill Bits	10/12/93	08/136442	5372210	12/13/94
Seal assembly for rotary drill bits	4/25/88	/186,022	4838365	6/13/89
Mounting means for cutting elements in drag type rotary drill bit	2/18/86	06/830399	4682663	7/28/87
Hardened bearing surface and method of forming same	9/18/85	06/777279	4618269	10/21/86
Seal assembly for drill bits	9/16/85	06/776452	4623028	11/18/86
Rolling Cutter Drill Bits (Continuation)	11/17/97	08/971,504	6354740	3/12/02
Rock Bit Hardmetal Overlay and Process of Manufacture	10/14/97	08/950286	5967248	10/19/99
Rock Bit Cutter Retainer with Differentially Pitched Threads	10/1/97	08/942128	5853245	12/29/98
Accelerometer Caliper While Drilling	4/24/01	09/841,659	6467341	10/22/02
Fabrication Process for High Density Powder Composite Hardfacing Rod	2/13/01	09/782,341	6361739	3/26/02
Different Stiffness Energizers for MF Seals	7/24/96	08/685851	5875861	3/2/99
Hardfacing Material for Rolling Cutter Drill Bits	7/1/96	08/673978	5740872	4/21/98
Flow Channels for Tooth Type Rolling Cutter Drill Bits	4/5/96	08/627171	5676214	10/14/97
Rolling Cutter Drill Bits (Continuation)	10/31/00	09/702,507	6416224	7/9/02
Fabrication Process for Powder Composite Rod	11/9/01	09/683,030	6440358	8/27/02

9/12/03

1/27/00

12/2/99

11/22/99

11/22/99

4/5/89

10/12/99

2/21/89

Inserts

Using Same

Measurements

Drill Bits

Reducing Tooth Geometry Lip Seal for Roller Cone Drill Bit

Volume Reduction Mandrel for Use

Bits with Floating Journal Bearings

in Pneumatic Isostatic Forging Single Energizer Face Seal for Rock

Drag-Type Rotary Drill Bit

Drag-Type Rotary Drill Bit

drill bits

Rotation Pins

rotary drill bit

Cutting elements for roller cutter

Rock Bit Face Seal Having Anti-

Means for retaining roller cutters on

10/605,177

09/492,731

09/452,774

09/447,059

09/444,072

07/333576

09/417,041

07/312459

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Rock Bit Lubricant Relief Valve	8/20/99	09/378091	6138778	10/31/00
Rock Bit Hardmetal Overlay & Process of Manufacture	7/26/99	09/360751	6045750	4/4/00
Drag drill bit having improved arrangement of cutting elements	11/7/88	07/270431	4848489	7/18/89
Method and Apparatus for Loading Lubricant Into Earth Boring Bits	6/4/99	09/326,236	6170611	1/9/01
Roller cutter drill bit and method of forming	7/13/88	07/218642	4887493	12/19/89
Fixed Cutter Drill Bits With Thin, Integrally Formed Wear and Erosion Surfaces	3/9/99	09/265266	6135218	10/24/00
Rolling Cutter Drill Bit with Stabilized Insert Holes and Method for Making a Rolling Cutter Drill Bit with Stabilized Insert Holes	1/22/99	09/234854	6095264	8/1/00
Face Seal Having Strain Induced Face Geometry	11/19/98	09/196478	6109376	8/29/00
Pneumatic Isostatic Forging of Sintered Compacts	11/11/98	09/190804	6060016	5/9/00
Cutting structures for steel bodied rotary drill bits	1/25/88	07/148072	4919220	4/24/90
Wear Indicator for Rotary Drilling Tools	10/30/98	09/183,504	6167833	1/2/01
Rotary Drill Bits	11/9/87	07/118604	4823892	4/25/89
Rotary drill bit having improved mounting means for multiple cutting elements	8/13/87	07/084892	4907662	3/13/90
Method of Measuring Stick Slip and System for Performing Same	2/17/05	60/653,889		
Mounting means for cutting elements in drag type rotary drill bit	6/12/87	07/061413	4830123	5/16/89
Fluid-Soluble Pattern Material for Investment Casting Process, and Methods for Using Same	2/10/05	10/906,232		
Methods and Related Equipment for Rotary Drilling	4/15/97	08/909432	5950742	9/14/99
Aluminide Coated Bearing Elements for Roller Cutter Drill Bits	7/5/91	07/726024	5161898	11/18/92
Directional Drill Bit	12/23/96	08/771000	5839525	11/24/98
Pressure compensator for drill bit lubrication system	1/22/91	07/643486	5072795	12/17/91

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Composite Structure Having a Non-	4/26/05	10/908,040	Balentiya	Conclusion
Planar Interface and Method of	4/20/03	10/300,040		
Making Same				1
Hydraulic action for rotary drill bits	11/14/90	07/613241	5096005	3/17/92
Rotary drill bits and methods of	6/6/96	08/659502	5816346	10/6/98
designing such drill bits			0010010	10,0,50
Seal assembly for roller cutter drill	8/13/90	07/566129	5040624	8/20/91
bit having a pressure balanced				0.20.71
lubrication system				
Nozzle means for rotary drill bits	3/30/90	07/502046	5029656	7/9/91
Means for mounting a roller cutter	3/13/90	07/492,789	4991671	2/12/91
on a drill bit				
Method of making a threaded	2/5/90	07/475285	5012701	5/7/91
retainer ring for a roller cutter on a drill bit				
	11/17/00	07/427100	4000.406	
Method of making lug journal for roller cutter drill bits	11/16/89	07/437180	4982496	1/8/91
Case hardened roller cutter for a	10/12/00	07/100070	10.500.70	
rotary drill bit and method of making	10/13/89	07/420872	4969378	11/13/90
	E (1 E (0 0	07/00/0		
Drill bit having improved hydraulic action for directing drilling fluid	7/17/89	07/381040	4989680	2/5/91
	11/01/00	10/001 010		
Sub-reamer for Bi-Center Type Tools	11/21/02	10/301,049		
Cutting elements for rotary drill bits	12/7/93	08/163344	5469927	11/00/05
coming oromonia for formy drift ons	12/1/93	06/103344	3409927	11/28/95
Rolling Cutter Drill Bits	8/24/93	08/111373	5465800	11/14/95
Threaded Ring Retention	8/24/93	08/110854	5383525	1/24/95
Mechanism				
Hydraulic Optimization of Drilling	8/12/03	10/604,714		
Fluids in Borehole Drilling				
Bi-Center bit with Oppositely	10/21/97	08/955,147	5992548	11/30/99
Disposed Cutting Surfaces	10/01/01			
Re-Settable Locking Mechanism for Downhole Tools	10/21/04	10/971,865		
Stabilizing Drill Bit	5/31/96	09/655 000	5002105	0/0/00
Peroment Nilli Dit	3/31/90	08/655,988	5803196	9/8/98
Failure Indicator for Rolling Cutter	7/30/01	09/682,165	6484824	11/26/02
Drill Bit	112000	07/002,103	U707027	11/20/02
Expandable Eccentric Reamer and	11/3/03	10/701,232		
Method of Use in Drilling	w with the sec			
Improved Bi-Center Bit and Method	8/15/95	08/515,536	5678644	10/21/97
for Enhancing Stability				

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Cutting Element with Stress	9/7/99	09/391,033	6315067	11/13/01
Reduction				
Two Stage Drill Bit	5/27/99	09/321,362	6412579	7/2/02
Cutting Element with Stress	4/16/98	09/129,179	6026919	2/22/00
Reduction				
Reduced Erosion Nozzle System and	4/2/98	09/057,714	6142248	11/7/00
Method for the Use of Drill Bits to				
Reduce Erosion				
Cutting Element	2/9/98	09/021,012	6068072	5/30/00
Cutting Element with Stress	5/31/00	09/583,488	6401845	6/11/02
Reduction				
Bi-Center Bit Adapted to Drill	9/8/99	09/392,043	6340064	1/22/02
Casing Shoe				
Stabilizing Drill Bit with Improved	9/8/98	09/149,196	5979577	11/9/99
Cutting Elements				
Coring Tool	1/27/98	09/014,116	6009960	1/4/00
Apparatus for Weight on Bit	10/15/03	10/605,627	6802215	10/12/04
Measurements, and Methods of				
Using Same				

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Government Interest Assignment	State: Texas
Executive Order 9424, Confirmatory License	Country: U.S. Zp: 77060
X Other Release of patent security agreement	Additional name(s) & address(os) Yes X No
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Name and address to whom correspondence concerning document should be selled: Name: Jan K. Simpson FULBRIGHT & JAWORSKI L.L.P. Internal Address: Alty. Did:: 10101634	6. Total number of applications and patents levelyed:
8. Name and address to whom correspondence concerning document should be malled: Name: Jan K. Simpson FULBRIGHT & JAWORSKI L.L.P. Internal Address: Ally, Ctd.: 10101634 Street Address: Fusbright Tower	6. Total number of applications and patentic levelsed: 7 7. Total fee (SFCFR 1.21(h) 4.3.41) \$ 280.00
Name and address to whom correspondence concerning document should be selled: Name: Jan K. Simpson FULBRIGHT & JAWORSKI L.L.P. Internal Address: Alty. Did:: 10101634	6. Total surnher of applications and patentic involved: 7. Total fee (37 CFR 1.21(h) 5.3.41) \$ 280.00 Authorized to be charged by credit card
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6. Name and address to whom correspondence concerning document should be seated: Name: Jan K. Simpson FULBRIGHT & JAWORSKI L.L.P. Internal Address: Alby. Did.: 10101634 Street Address: Fulbright Tower 1301 McKimvey, Suita 5100 City: Houston	6. Total number of applications and patentic involved: 7. Total lise (37 CFR 1.21(h) 5 3.41) \$ 280,00 Authorized to be charged by credit card X Authorized to be charged to deposit account Exclosed Mone required (government interest not offscling) 8. Payment information.
6. Name and address to whom correspondence concerning doppermit should be sealled: Name: Jan K. Simpson FULBRIGHT & JAWORSKI L.L.P. Internal Address: Aby. Did.: 10101634 Street Address: Fusbright Tower 1301 McKimey, Suite 5100 City: Houston State: TX Zp: 77010-3096	E. Total sumber of applications and patentic involved: 7. Total fee (37 CFR 1.21(h) 5.3.41) \$ 280.00 Authorized to be charged by credit card X. Authorized to be charged to deposit account Enclosed More required (government interest not effecting 8. Payment Information a. Credit Card Last 4 Numbers
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8. Name and address to whom correspondence concerning dopument should be sealed: Name: Jan K. Simpson FULBRIGHT & JAWORSKI L.L.P. Internal Address: Alby, DK:: 10101634 Street Address: Fisbright Tower 1301 McKrimey, Suite 5100 City: Houston State: TX Zp: 77010-3096 Phone Number: (713) 851-5383 Fax Number: (713) 851-5248	Total sumber of applications and patentic involved: 7. Total fire (S7 CFR 1.21(h) & 3.41) \$ 280.00 Authorized to be charged by credit card X Authorized to be charged to deposit account Escaped Home required (government interest not officially 8. Payment information a. Credit Card Lest 4 Numbers Expiration Outs b. Deposit Account Number 06-2376
8. Name and address to whom correspondence concerning decument should its malled: Name: Jan K. Simpson FULBRIGHT & JAWORSKI L.L.P. Internal Address: Alby. Did.: 10101634 Street Address: Fusbright Tower 1301 McKimvey, Suita 5100 City: Houston State: TX Zg: 77010-3096 Phone Number: (713) 651-5343 Fax Number: (713) 651-5246 Email Address: Iksimpson@fulbright.com	6. Total number of applications and patentic involved: 7. Total line (S7 CFR 1.21(h) 5.3.41) \$ 280,00 Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not officially 8. Payment information a. Credit Card Leet 4 Numbers Expiration Outs
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8. Name and address to whom correspondence concerning decument should be malled: Name: Jan K. Simpson FULBRIGHT & JAWORSKI L.L.P. Internal Address: Ally, Did.: 10101634 Street Address: Fulbright Tower 1301 McKSnivey, Suits 5100 City: Houston State: TX Zp: 77010-3095 Phone Number: (713) 851-5383 Fax Number: (713) 851-5246 Email Address: [ksimpson@fulbright.com]	6. Total number of applications and patentic involved: 7. Total line (S7 CFR 1.21(h) 4.3.41) \$ 280.00 Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed Mone required (government interest not effecting 8. Payment information a. Credit Card Lest 4 Numbers Expiration Date b. Daposit Accessed Manuber 06-2376 Authorized User Name Jan K. Simpson September 18, 2008
8. Name and address to whom correspondence concerning decument should its malled: Name: Jan K. Simpson FULBRIGHT & JAWORSKI L.L.P. Internal Address: Alby. Did.: 10101634 Street Address: Fusbright Tower 1301 McKimvey, Suita 5100 City: Houston State: TX Zg: 77010-3096 Phone Number: (713) 651-5343 Fax Number: (713) 651-5246 Email Address: Iksimpson@fulbright.com	6. Total number of applications and patentic leveled: 7. Total file (37 CFR 1.21(h) 4 3.41) \$ 280.00 Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting 8. Payment information a. Credit Card Leet 4 Numbers Expiration Data b. Daposit Account Number 05-2375 Authorized User Name Jan K. Simpson

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PAGE 3/13 * RCVD AT 10/27/2006 9:01:25 PM [Central Daylight Time] * SVR:HOFAX01/0 * DNIS:6 * CSID:RightFax * DURATION (mm-se):04-16

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EXHIBIT A

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Hardmetal Facing for Barth Boring Drill Bit	7/31/97	08/903913	5988302	11/23/99
Bi-Center Bit Adapted to Drill Casing Shoe	10/2/01	09/969,444	6629476	10/7/03
Thrust Face Lubrication System for a Rolling Cutter Drill Bit (Continuation)	1/10/97	08/781217	5931241	8/3/99
Drill Bit Having Offiset Roller Cutters and Improved Nozzles	2/29/88	07/162289	4848476	7/18/89
Rolling Cutter Drill Bits	10/12/93	08/136442	5372210	12/13/94
Seal assembly for rotary drill bits	4/25/88	/186,022	4838365	6/13/89
Mounting means for cutting elements in drag type rotary drill bit	2/18/86	06/830399	4682663	7/28/87
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Seal assembly for drill bits	9/16/85	06/776452	4623028	11/18/86
Rolling Cutter Drill Bits (Continuation)	11/17/97	08/971,504	6354740	3/12/02
Rock Bit Hardmetal Overlay and Process of Manufacture	10/14/97	08/950286	5967248	10/19/99
Rock Bit Cutter Retainer with Differentially Pitched Threads	10/1/97	08/942128	5853245	12/29/98
Accelerometer Caliper While Drilling	4/24/01	09/841,659	6467341	10/22/02
sirication Process for High Density owder Composite Hardfacing Rod	2/13/01	09/782,341	6361739	3/26/02
Different Stiffness Energizers for MF Scals	7/24/96	08/685851	5875861	3/2/99
Hardfacing Material for Rolling Lutter Drill Bits	7/1/96	08/673978	5740872	4/21/98
flow Channels for Tooth Type tolling Cutter Drill Bits	4/5/96	08/627171	5676214	10/14/97
Rolling Cutter Drill Bits Continuation)	10/31/00	09/702,507	6416224	7/9/02
abrication Process for Powder Composite Rod	11/9/01	09/683,030	6440358	8/27/02

PAGE 4/13 * RCVD AT 19/27/2006 9:01:25 PM [Central Daylight Time] * SVR:HOFAX01/0 * DNIS:0 * CSID:RightFax * DURATION (mm-ss):04-16

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Rock Bit Face Seal Having Lubrication Gap	11/8/01	09/683,022	6427790	8/6/02
Non Circular Gauge Reaming Row Inserts	8/24/00	09/645,235	6394199	5/28/02
Removable Equipment Housing for Downhole Measurements	9/28/04	10/711,608		
Apparatus for Weight on Bit Measurements, and Methods of Using Same	9/27/04	10/711,589		
Self-Aligning Insert for Drill Bits	5/20/04	10/709,653		
Equipment Housing for Downhole Measurements	5/18/04	10/709,625		
On-Bit, Analog Multiplexer for Transmission of Multi-Channel Drilling Information	4/14/04	10/709,108		
Hardmetal Facing for Rolling Cutter Orill Bits	11/17/95	08/559959	5653299	8/5/97
Drill bit with deal reaming rows	10/2/95	08/540685	5671817	9/30/97
Thrust Face Labrication System for a Rolling Cutter Drill Bit	£/29/95	08/520431	5628375	5/13/97
Rolling Cutter Drill Bits	7/28/95	08/506993	5725313	3/10/98
Rotary drill, bit for use in drilling holes in subsurface earth formations	11/8/89	07/433689	4991670	2/12/91
Tooth Type Drill Bit with Secondary Cutting Elements and Stress Reducing Tooth Geometry	4/12/00	09/547,525	6347676	2/19/02
Lip Seal for Roller Came Drill Bit	9/12/03	10/605,177		
Volume Reduction Mandrel for Use n Pneumatic Isostatic Forging	1/27/00	09/492,731	6338621	1/15/02
Single Energizer Pace Seal for Rock Bits with Ploating Journal Bearings	12/2/99	09/452,774	5247545	6/19/01
Drag-Type Rotary Drill Bit	11/22/99	09/447,059	6371226	4/16/02
Drag-Type Rotary Drill Bit	11/22/99	09/444,072	6193000	2/27/01
Cutting elements for roller cutter frill bits	4/5/89	07/333576	4940099	7/10/90
Rock Bit Face Seal Having Anti- Rotation Pins	10/12/99	09/417,041	6176330	1/23/01
Means for retaining roller cutters on otary drill bit	2/21/89	07/312459	4911255	3/27/90

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Rock Bit Lubricant Relief Valve	8/20/99	09/378091	6138778	10/31/00
Rock Bit Hårdmetal Overlay & Process of Manufacture	7/26/99	09/360751	6045750	4/4/00
Drag drill bit having improved arrangement of cutting elements	11/7/88	07/270431	4848489	7/18/89
Method and Apparatus for Loading Lubricant Into Earth Boring Bits	6/4/99	09/326,236	6170611	1/9/01
Roller cutter drill bit and method of forming	7/13/88	07/218642	4887493	12/19/89
Fixed Cutter Drill Bits With Thin, Integrally Formed Wear and Brosion Surfaces	3/9/99	09/265266	6135218	19/24/99
Rolling Cutter Drill Bit with Stabilized Insert Holes and Method for Making a Rolling Cutter Drill Bit with Stabilized Insert Holes	1/22/99	09/234854	6095264	8/1/00
Pace Seal Having Strain Inchiced Face Geometry	11/19/98	09/196478	6109376	8/29/00
Pneumatic Isostatic Forging of Sintered Compacts	11/11/98	09/190804	6060016	5/9/00
Outting structures for steel bodied otery drill bits	1/25/88	07/148072	4919220	4/24/90
Vear Indicator for Rotary Drilling Cools	10/30/98	09/183,504	6167833	1/2/01
totary Drill Bits	11/9/87	07/118604	4823892	4/25/89
totary drill bit having improved counting means for multiple cutting lements	8/13/87	07/084892	4907662	3/13/90
Method of Measuring Stick Slip and System for Performing Same	2/17/05	60/653,889		
dounting means for cutting forments in drag type rotary drill bit	6/12/87	07/061413	4830123	5/16/89
Inid-Soluble Pattern Material for uvestment Casting Process, and defineds for Using Same	2/10/05	10/906,232	-	
defineds and Related Equipment for lotary Drilling	4/15/97	08/909432	5950742	9/14/99
Aluminide Coated Bearing Elements or Roller Cutter Drill Bits	7/5/91	07/726024	5161898	11/18/92
Directional Drill Bit	12/23/96	08/771000	5839525	11/24/98
reasure compensator for drill bit abrication system	1/22/91	07/643486	5072795	12/17/91

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Composite Structure Having a Non- Planar Interface and Method of Making Same	4/26/05	10/908,040	. :	 -
Hydraulic action for rotary drill bits	11/14/90	07/613241	5096005	3/17/92
Rotary drill bits and methods of designing such drill bits	6/6/96	08/659502	5816346	10/6/98
Soal assembly for roller cutter drill bit having a pressure balanced lubrication system	8/13/90	07/566129	5040624	8/20/91
Nozzle means for rotary drill bits	3/30/90	07/502046	5029656	7/9/91
Means for mounting a roller entire on a drill bit	3/13/90	07/492,789	4991671	2/12/91
Method of making a threaded retainer ring for a roller cutter on a drill bit	2/5/90	07/475285	5012701	5/7/91
Method of making lug journal for roller cutter drill bits	11/16/89	07/437180	4982496	1/8/91
Case hardened roller cutter for a rotary drill bit and method of making	10/13/89	07/420872	4969378	11/13/90
Orill bit having improved hydraulic action for directing drilling fluid	7/17/89	07/381040	4989680	2/5/91
Sub-reamer for Bi-Center Type Tools	11/21/02	10/301,049		
Cutting elements for rotary drill hits	12/7/93	08/163344	5469927	11/28/95
Rolling Cutter Drill Bits	8/24/93	08/111373	5465800	11/14/95
Threaded Ring Retention Mechanism	8/24/93	08/110854	5383525	1/24/95
Hydraulic Optimization of Drilling Iluids in Borehole Drilling	8/12/03	10/604,714		
Si-Center bit with Oppositely Disposed Cutting Surfaces	10/21/97	08/955,147	5992548	11/30/99
Re-Settable Locking Mechanism for lownhole Tools	10/21/04	10/971,865		
Stabilizing Drill Bit	5/31/96	UB/655,988	5803196	9/8/98
alture Indicator for Rolling Cutter Prill Bit	7/30/01	09/682,165	6484824	11/26/02
Expandable Eccentric Reamer and Method of Use in Drilling	11/3/03	10/701,232		
improved Bl-Center Bit and Method or Enhancing Stability	8/15/95	08/515,536	5678644	10/21/97

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Cutting Element with Stress Reduction	9/7/99	09/391,033	6315067	11/13/01
Two Stage Drill Bit	5/27/99	09/321,362	6412579	7/2/02
Cutting Element with Stress Reduction	4/16/98	09/129,179	6026919	2/22/00
Reduced Erosion Nozzle System and Method for the Use of Drill Rits to Reduce Brosion	4/2/98	09/057,714	6142248	11/7/90
Cutting Element	2/9/98	09/021,012	6068072	5/30/00
Cutting Element with Stress Reduction	5/31/00	09/583,488	6401845	6/11/02
Bi-Center Bit Adapted to Drill Casing Shoe	9/8/99	09/392,043	6340064	1/22/02
Stabilizing Drill Bit with Improved Cutting Elements	9/8/98	09/149,196	5979577	11/9/99
Coring Tool	1/27/98	09/014,116	6009960	1/4/00
Apparatus for Weight on Bit Measurements, and Methods of Using Same	10/15/03	10/605,627	6802215	10/12/04

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RELEASE OF PATENT SECURITY AGREEMENT SUPPLEMENT

This Release of Patent Security Agreement Supplement dated as of August 31, 2006 ("Release"), is made by Wells Fargo Bank, National Association, a national banking corporation, as Administrative Agent ("Secured Party") in favor of ReedHycalog, L.P., a Delaware limited partnership ("Grantor").

RECITALS

WHEREAS, Secured Party, and Grantor, previously entered into a Patent Security Agreement Supplement ("Patent Security Agreement"), dated as of May 12, 2005. Secured Party purportedly owns a security interest in Grantor's Intellectual Property (as defined in the Patent Security Agreement), including those U.S. Patents and Patent Applications of the Grantor associated with such Patent Security Agreement that are listed in the attached Exhibit A.

WHEREAS, the Secured Party hereby releases its security interest in the U.S. Patents and Patent Applications listed in the attached Exhibit A.

NOW, THEREFORE, subject to the terms, conditions, covenants and provisions of this Release, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto, intending to be legally bound, agree as follows:

TERMINATION AND RELEASE

Secured Party hereby releases all liens, security interests, assignments, and other interests of Secured Party in all of Grantor's Intellectual Property, including, without limitation, the security interest in Grantor's Patent Collateral as defined in the "Patent Security Agreement Supplement" dated May 12, 2005 and recorded in the United States Patent and Trademark Office on June 3, 2005 at Reel 016087, Frame 0681 and further including those U.S. Patents and Patent Applications listed in Exhibit A, which is attached hereto.

#1980521.3

Wells Fargo Bank, National Association, as Administrative Agent

Fax Server

William S. Rogers

Vice President and Senior Relationship

Manager

Signature Page to Release of Patent Security Agreement Supplement

ReedHycalog, L.P.

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