

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Mr. David R. Hall	01/22/2010
RECEIVING PARTY DATA	
Name:	Schlumberger Technology Corporation
Street Address:	5599 San Felipe
Internal Address:	Suite 1600
City:	Houston
State/Country:	TEXAS
Postal Code:	77056
PROPERTY NUMBERS Total: 24	
Property Type	Number
Patent Number:	7533738
Patent Number:	7628233
Application Number:	12051738
Application Number:	12099038
Application Number:	12057597
Application Number:	12112743
Application Number:	12112099
Application Number:	12112815
Application Number:	12178467
Application Number:	12135595
Application Number:	12135654
Application Number:	12135714
Application Number:	12146665
Application Number:	12169345

501101183

PATENT
REEL: 023973 FRAME: 0886

OP \$960.00 7533738

Application Number:	12177556
Application Number:	12177599
Application Number:	12177637
Application Number:	12200786
Application Number:	12200810
Application Number:	12366706
Application Number:	12372302
Application Number:	12390353
Application Number:	61164770
Application Number:	12424815

CORRESPONDENCE DATA

Fax Number: (713)651-5246

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Address Line 2: Fulbright & Jaworski L.L.P.

Address Line 4: Houston, TEXAS 77010

ATTORNEY DOCKET NUMBER:	SCHLUMBERGER10911410
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NAME OF SUBMITTER:	James W. Repass
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Total Attachments: 14

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INTELLECTUAL PROPERTY ASSIGNMENT

This Intellectual Property Assignment (the "*Assignment*") is entered into as of January 22, 2010 ("*Effective Date*") by and between David R. Hall ("*Hall*" or "*Assignor*") and Schlumberger Technology Corporation, a Texas corporation ("*Assignee*"). Assignor and Assignee are referred to herein collectively as the "*Parties*" and each, individually, as a "*Party*."

WHEREAS, Assignor desires to sell, convey, assign, transfer and deliver to Assignee, and Assignee desires to purchase, acquire, and accept from Assignor, all of Assignor's right, title and interest in and to Assignor's intellectual property assets as set forth in Schedule A hereto (the "*Intellectual Property Assets*").

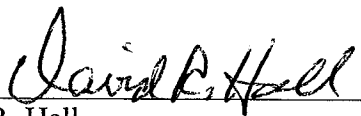
NOW, THEREFORE, for ten dollars (\$10) and other good and sufficient consideration, receipt of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in and to the Intellectual Property Assets set forth in Schedule A hereof, which Assets include the following: (a) utility and design patents, utility and design patent applications, and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property; and (b) all other rights which Assignor has enjoyed thereunder both in the United States and throughout all countries of the world, including any and all rights of recovery based on infringement of said Intellectual Property Assets accruing after the Effective Date, the same to be held and enjoyed by Assignee, its successors, and assigns forever and to the full end of the terms for which any of the aforesaid Intellectual Property Assets are registered and any renewals of the terms thereof;

AND FOR THE SAME CONSIDERATION, Assignor also hereby covenants and agrees that, at the time of execution and delivery of these presents, Assignor is the sole and lawful owner of the entire right, title, and interest in and to the said registrations and applications and believes it is the sole and lawful owner of the entire right, title, and interest to said Intellectual Property Assets and said goodwill associated therewith and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND FOR THE SAME CONSIDERATION, Assignor hereby covenants and agrees that the Assignor will, whenever counsel of the Assignee or the counsel of its successors, legal representatives, and assigns shall advise that it is lawful and desirable, sign all papers and documents, deliver necessary documents including original registration certificates, if available, take all lawful oaths, execute separate confirmatory assignments, and do all acts reasonably necessary or desirable to be done for the procurement, maintenance, enforcement, and defense of said Intellectual Property Assets and registrations thereof without charge to Assignee, its successors, legal representatives, and assigns, other than reasonable costs and expenses incurred by Assignor or any of its employees, agents, and representatives in connection with the foregoing actions.


[Signatures on following page]

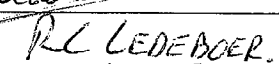
IN WITNESS WHEREOF, the Parties have executed this Assignment on the date first written above.



David R. Hall

SCHLUMBERGER TECHNOLOGY
CORPORATION

By: 

Name: 
Title: ATTORNEY IN FACT

SIGNATURE PAGE TO
HALL IP ASSIGNMENT

PATENT
REEL: 023973 FRAME: 0889

SCHEDULE A

Ref. No.	Docket	Country	Status	Assignee (USPTO)	Title
5,396,965	85.0001	US	Expired	DAVID R. HALL	Down-hole Mud Actuated Hammer
10/633,889	85.0002-2	US	Abandoned	DAVID R. HALL	Pressurized Battery For High-Temperature, High-Pressure Environment
10/982,478	85.0005	US	Abandoned	DAVID R. HALL	Method for Distributing Electrical Power to Downhole Tools
10/931,864	85.0007	US	Abandoned	DAVID R. HALL	High-Speed, Downhole, Seismic Measurement System
6,390,181	85.0014	US	Granted	DAVID R. HALL	Densely Finned Tungsten Carbide and Polycrystalline Diamond Cooling Module
7380841	85.0021	US	Granted	DAVID R. HALL	High pressure connection
7586191	85.0025	US	Granted	DAVID R. HALL	Integrated circuit apparatus with heat spreader
7291028	85.0029	US	Granted	DAVID R. HALL	Actuated electric connection
7,482,945	85.0030-1	US	Granted	DAVID R. HALL	Apparatus for interfacing with a transmission path
7298286	85.0030	US	Granted	DAVID R. HALL	Apparatus for interfacing with a transmission path
7270199	85.0033	US	Granted	DAVID R. HALL	Cutting element with a non-shear stress relieving substrate interface
6733087	85.0037	US	8th-yr-fee due 11/15/2011	DAVID R. HALL	Pick for disintegrating natural and man-made materials
US06/043125	85.0045	PCT	Expired	DAVID R. HALL	Drill bit assembly
US07/64539	85.0051	PCT	Expired	DAVID R. HALL	
US06/43107	85.0053	PCT	Expired	DAVID R. HALL	
7350565	85.0060	US	Granted	DAVID R. HALL	Self-expandable cylinder in a downhole tool

11381709	85.0064	US	Pending	DAVID R. HALL	A Rigid Composite Structure with a Superhard Interior Surface
7598886	85.0067	US	Granted	DAVID R. HALL	System and method for wirelessly communicating with a downhole drill string
7503606	85.0073	US	Granted	DAVID R. HALL	Lifting assembly
7488194	85.0074	US	Granted	DAVID R. HALL	Downhole data and/or power transmission system
11424806	85.0076	US	Pending	DAVID R. HALL	An Attack Tool for Degrading Materials
7469972	85.0077	US	Granted	DAVID R. HALL	Wear Resistant Tool
7464993	85.0084	US	Granted	DAVID R. HALL	Attack tool
7384105	85.0085	US	Granted	DAVID R. HALL	Attack tool
7338135	85.0086	US	Granted	DAVID R. HALL	Holder for a degradation assembly
7419224	85.0087	US	Granted	DAVID R. HALL	Sleeve in a degradation assembly
7413256	85.0088	US	Granted	DAVID R. HALL	Washer for a degradation assembly
7445294	85.0089	US	Granted	DAVID R. HALL	Attack tool
11/927,917	85.0090-1	US	Pending	DAVID R. HALL	Shank for an Attack Tool
7320505	85.0090	US	Granted	DAVID R. HALL	Attack tool
7410221	85.0101	US	Granted	DAVID R. HALL	Retainer sleeve in a degradation assembly
11553338	85.0102	US	Pending	DAVID R. HALL	Superhard Insert with an Interface
7527105	85.0104	US	Granted	DAVID R. HALL	Power and/or data connection in a downhole component
11621183	85.0113	US	Pending	DAVID R. HALL	Tool String Direct Electrical Connection
7353893	85.0114	US	Granted	DAVID R. HALL	Tool with a large volume of a superhard material
7,469,756	85.0114-1	US	Granted	DAVID R. HALL	Tool with a large volume of a superhard material
7347292	85.0115	US	Granted	DAVID R. HALL	Braze material for an attack tool
11679727	85.0116	US	Pending	DAVID R. HALL	Method of Manufacturing Downhole Tool String Components

7873780.6	85.0125	EU	pending	DAVID R. HALL	Thick Pointed Superhard Material
11673634	85.0125	US	Pending	DAVID R. HALL	Thick Pointed Superhard Material
200780037792.8	85.0125	CN	pending	DAVID R. HALL	Thick Pointed Superhard Material
2009/00926	85.0125	ZA	pending	DAVID R. HALL	Thick Pointed Superhard Material
PCT/US07/75670	85.0125	PCT	expired	DAVID R. HALL	Thick Pointed Superhard Material
12/625,728	85.0125-1	US	pending	DAVID R. HALL	Thick Pointed Superhard Material
12/625,908	85.0125-2	US	pending	DAVID R. HALL	Thick Pointed Superhard Material
12/627,009	85.0125-3	US	pending	DAVID R. HALL	Thick Pointed Superhard Material
7568770	85.0132	US	Granted	DAVID R. HALL	Pick assembly
7404725	85.0134	US	Granted	DAVID R. HALL	Wiper for tool string direct electrical connection
7462051	85.0134-1	US	Granted	DAVID R. HALL	Wiper for tool string direct electrical connection
7396086	85.0138	US	Granted	DAVID R. HALL	Pick assembly
7588102	85.0139	US	Granted	DAVID R. HALL	High impact resistant tool
D554162	85.0140	US	Granted	DAVID R. HALL	Diamond enhanced cutting element
11734675	85.0141	US	Pending	DAVID R. HALL	High Impact Shearing Element
7401863	85.0142	US	Granted	DAVID R. HALL	Press-fit pick
7572134	85.0143	US	Granted	DAVID R. HALL	Centering assembly for an electric downhole connection
11749039	85.0145	US	Pending	DAVID R. HALL	Spring Loaded Pick
7469971	85.0147	US	Granted	DAVID R. HALL	Lubricated pick
7475948	85.0148	US	Granted	DAVID R. HALL	Pick with a bearing
11747341	85.0149	US	Pending	DAVID R. HALL	Diamond Nozzle
7594703	85.0150	US	Granted	DAVID R. HALL	Pick with a reentrant
11773561	85.0156	US	Pending	DAVID R. HALL	Energy Storage in an Elastic Vessel
12/556,488	85.0157-1	US	Pending	DAVID R. HALL	Externally guided and directed field induction resistivity tool
12/395,249	85.0159-1	US	Pending	DAVID R. HALL	Jack element with a stop-off
11761730	85.0161	US	Pending	DAVID R. HALL	Data and/or PowerSwivel

7571782	85.0163	US	Granted	DAVID R. HALL	Stiffened blade for shear-type drill bit
11766975	85.0167	US	Pending	DAVID R. HALL	Rotary Drag Bit with Pointed Cutting Elements
11828848	85.0169	US	Pending	DAVID R. HALL	Borehole Liner
11774227	85.0171	US	Pending	DAVID R. HALL	Carbide Stem Press Fit into a Steel Body of A Pick
11766903	85.0173	US	Pending	DAVID R. HALL	Attack Tool with an Interruption
11773271	85.0174	US	Pending	DAVID R. HALL	Tapered Bore in a Pick
11829577	85.0179	US	Pending	DAVID R. HALL	Pointed Diamond Working Ends on a Shear Bit
11829761	85.0183	US	Pending	DAVID R. HALL	Pick Shank in Axial Tension
7455117	85.0185	US	Granted	DAVID R. HALL	Downhole winding tool
11844662	85.0188	US	Pending	DAVID R. HALL	Pick Assembly
7600823	85.0194	US	Granted	DAVID R. HALL	Pick assembly
D556137	85.0195	US	Granted	DAVID R. HALL	Pick Bolster
D581952	85.0196	US	Granted	DAVID R. HALL	Pick
11851582	85.0198	US	Pending	DAVID R. HALL	Pick with Carbide Cap
12/559,731	85.0199-1	US	Pending	DAVID R. HALL	Indenting Member for a Drill Bit
11861641	85.0202	US	Pending	DAVID R. HALL	Downhole Drill Bit
11871722	85.0205	US	Pending	DAVID R. HALL	Hollow Pick Shank
11871835	85.0208	US	Pending	DAVID R. HALL	Non-rotating Pick with a Pressed in Carbide Segment
7413258	85.0209	US	Granted	DAVID R. HALL	Hollow pick shank
11928471	85.0211	US	Pending	DAVID R. HALL	Tool Holder Sleeve
11947644	85.0215	US	Pending	DAVID R. HALL	Shank Assembly
11953424	85.0220	US	Pending	DAVID R. HALL	Holder Assembly
11971965	85.0222	US	Pending	DAVID R. HALL	Pick with an Interlocked Bolster
11962497	85.0223	US	Pending	DAVID R. HALL	Retention for Holder Shank
12020924	85.0227	US	Pending	DAVID R. HALL	Shank Assembly with a Tensioned Element
12021019	85.0229	US	Pending	DAVID R. HALL	Impact Tool
12021051	85.0232	US	Pending	DAVID R. HALL	Impact Tool
29304177	85.0238	US	Pending	DAVID R. HALL	Drill Bit
12051586	85.0245	US	Pending	DAVID R. HALL	Degradation Assembly
12041880	85.0247	US	Pending	DAVID R. HALL	Attack Tool
12051689	85.0249	US	Pending	DAVID R. HALL	Degradation

					Assembly
12051738	85.0250	US	Pending	DAVID R. HALL	Degradation Assembly
12099038	85.0252	US	Pending	DAVID R. HALL	Method of Forming a Workpiece
12057597	85.0253	US	Pending	DAVID R. HALL	Drill Bit
12112743	85.0256	US	Pending	DAVID R. HALL	Locking fixture for a degradation assembly
12112099	85.0259	US	Pending	DAVID R. HALL	Layered polycrystalline diamond
12112815	85.0270	US	Pending	DAVID R. HALL	Locking fixture
12178467	85.0272	US	Pending	DAVID R. HALL	Drill Bit Porting System
12135595	85.0273	US	Pending	DAVID R. HALL	Retention System
12135654	85.0275	US	Pending	DAVID R. HALL	Retention System
12135714	85.0276	US	Pending	DAVID R. HALL	Retention System
12146665	85.0277	US	Pending	DAVID R. HALL	High-impact Resistant Tool
US08/69231	85.0279	PCT	expired	DAVID R. HALL	Wear Resistant Tool
7533738	85.0280	US	Granted	DAVID R. HALL	Insert in a downhole drill bit
12169345	85.0281	US	Pending	DAVID R. HALL	Retention for an Insert
12177556	85.0282	US	Pending	DAVID R. HALL	Degradation assembly shield
12177599	85.0283	US	Pending	DAVID R. HALL	Shield of a Degradation Assembly
12177637	85.0284	US	Pending	DAVID R. HALL	Degradation Assembly Shield
7628233	85.0285	US	Granted	DAVID R. HALL	Carbide Bolster
12200786	85.0286	US	Pending	DAVID R. HALL	Braze Thickness Control
12200810	85.0287	US	Pending	DAVID R. HALL	Braze Thickness Control
12366706	85.0308	US	Pending	DAVID R. HALL	Thermally Stable Pointed Diamond with Increased Impact Resistance
12372302	85.0309	US	Pending	DAVID R. HALL	Chamfered Pointed Enhanced Diamond Insert
12390353	85.0311	US	Pending	DAVID R. HALL	Inductive Power Coupler
61/164,770	85.0319	US	Pending	DAVID R. HALL	TSP Segments Integrated into a Cutting Element
12/424,815	85.0321	US	Pending	DAVID R. HALL	Seal with Rigid Element for Degradation

					Assembly
12428531	85.0324	US	Pending	DAVID R. HALL	Manually Rotatable Tool
12428541	85.0325	US	Pending	DAVID R. HALL	Manually Rotatable Tool
12/491,848	85.0331	US	Pending	DAVID R. HALL	Resilient Pick Shank
12491897	85.0332	US	Pending	DAVID R. HALL	Resilient Pick Shank
12492804	85.0333	US	Pending	DAVID R. HALL	Bonded Assembly having Low Residual Stress
12493013	85.0334	US	Pending	DAVID R. HALL	Dense Diamond Body
12494802	85.0335	US	Pending	DAVID R. HALL	Downhole Lubrication System
12494888	85.0336	US	Pending	DAVID R. HALL	Downhole Lubrication System
12/614,614	85.0349	US	Pending	DAVID R. HALL	Test Fixture that Positions a Cutting Element at a Positive Rake Angle
12/619,305	85.0350	US	Pending	DAVID R. HALL	A Cutting Element Attached to a Downhole Fixed Bladed Bit at a Positive Rake
12/616,377	85.0352	US	Pending	DAVID R. HALL	A Fixed Bladed Bit that Shifts Weight between an Indentor and Cutting Elements
12/619,423	85.0353	US	Pending	DAVID R. HALL	Method for Drilling with a Fixed Bladed Bit
12/619,466	85.0354	US	Pending	DAVID R. HALL	Cutting Element with Low Metal Concentration
12536695	85.0250-1	US	Pending	DAVID R. HALL	Degradation Assembly
Ref. No.	Docket	Country	Status	Assignee (USPTO)	Title
5,396,965	85.0001	US	Expired	DAVID R. HALL	Down-hole Mud Actuated Hammer
10/633,889	85.0002-2	US	Abandoned	DAVID R. HALL	Pressurized Battery For High-Temperature, High-Pressure Environment
10/982,478	85.0005	US	Abandoned	DAVID R. HALL	Method for Distributing Electrical Power to Downhole Tools
10/931,864	85.0007	US	Abandoned	DAVID R. HALL	High-Speed,

					Downhole, Seismic Measurement System
6,390,181	85.0014	US	Granted	DAVID R. HALL	Densely Finned Tungsten Carbide and Polycrystalline Diamond Cooling Module
7380841	85.0021	US	Granted	DAVID R. HALL	High pressure connection
7586191	85.0025	US	Granted	DAVID R. HALL	Integrated circuit apparatus with heat spreader
7291028	85.0029	US	Granted	DAVID R. HALL	Actuated electric connection
7,482,945	85.0030-1	US	Granted	DAVID R. HALL	Apparatus for interfacing with a transmission path
7298286	85.0030	US	Granted	DAVID R. HALL	Apparatus for interfacing with a transmission path
7270199	85.0033	US	Granted	DAVID R. HALL	Cutting element with a non-shear stress relieving substrate interface
6733087	85.0037	US	8th-yr-fee due 11/15/2011	DAVID R. HALL	Pick for disintegrating natural and man-made materials
US06/043125	85.0045	PCT	Expired	DAVID R. HALL	Drill bit assembly
US07/64539	85.0051	PCT	Expired	DAVID R. HALL	
US06/43107	85.0053	PCT	Expired	DAVID R. HALL	
7350565	85.0060	US	Granted	DAVID R. HALL	Self-expandable cylinder in a downhole tool
11381709	85.0064	US	Pending	DAVID R. HALL	A Rigid Composite Structure with a Superhard Interior Surface
7598886	85.0067	US	Granted	DAVID R. HALL	System and method for wirelessly communicating with a downhole drill string
7503606	85.0073	US	Granted	DAVID R. HALL	Lifting assembly
7488194	85.0074	US	Granted	DAVID R. HALL	Downhole data and/or power transmission system
11424806	85.0076	US	Pending	DAVID R. HALL	An Attack Tool for Degrading Materials
7469972	85.0077	US	Granted	DAVID R. HALL	Wear Resistant Tool
7464993	85.0084	US	Granted	DAVID R. HALL	Attack tool
7384105	85.0085	US	Granted	DAVID R. HALL	Attack tool
7338135	85.0086	US	Granted	DAVID R. HALL	Holder for a degradation assembly

7419224	85.0087	US	Granted	DAVID R. HALL	Sleeve in a degradation assembly
7413256	85.0088	US	Granted	DAVID R. HALL	Washer for a degradation assembly
7445294	85.0089	US	Granted	DAVID R. HALL	Attack tool
11/927,917	85.0090-1	US	Pending	DAVID R. HALL	Shank for an Attack Tool
7320505	85.0090	US	Granted	DAVID R. HALL	Attack tool
7410221	85.0101	US	Granted	DAVID R. HALL	Retainer sleeve in a degradation assembly
11553338	85.0102	US	Pending	DAVID R. HALL	Superhard Insert with an Interface
7527105	85.0104	US	Granted	DAVID R. HALL	Power and/or data connection in a downhole component
11621183	85.0113	US	Pending	DAVID R. HALL	Tool String Direct Electrical Connection
7353893	85.0114	US	Granted	DAVID R. HALL	Tool with a large volume of a superhard material
7,469,756	85.0114-1	US	Granted	DAVID R. HALL	Tool with a large volume of a superhard material
7347292	85.0115	US	Granted	DAVID R. HALL	Braze material for an attack tool
11679727	85.0116	US	Pending	DAVID R. HALL	Method of Manufacturing Downhole Tool String Components
7873780.6	85.0125	EU	pending	DAVID R. HALL	Thick Pointed Superhard Material
11673634	85.0125	US	Pending	DAVID R. HALL	Thick Pointed Superhard Material
200780037792.8	85.0125	CN	pending	DAVID R. HALL	Thick Pointed Superhard Material
2009/00926	85.0125	ZA	pending	DAVID R. HALL	Thick Pointed Superhard Material
PCT/US07/75670	85.0125	PCT	expired	DAVID R. HALL	Thick Pointed Superhard Material
12/625,728	85.0125-1	US	pending	DAVID R. HALL	Thick Pointed Superhard Material
12/625,908	85.0125-2	US	pending	DAVID R. HALL	Thick Pointed Superhard Material
12/627,009	85.0125-3	US	pending	DAVID R. HALL	Thick Pointed Superhard Material
7568770	85.0132	US	Granted	DAVID R. HALL	Pick assembly
7404725	85.0134	US	Granted	DAVID R. HALL	Wiper for tool string direct electrical connection
7462051	85.0134-1	US	Granted	DAVID R. HALL	Wiper for tool string direct electrical connection

7396086	85.0138	US	Granted	DAVID R. HALL	Pick assembly
7588102	85.0139	US	Granted	DAVID R. HALL	High impact resistant tool
D554162	85.0140	US	Granted	DAVID R. HALL	Diamond enhanced cutting element
11734675	85.0141	US	Pending	DAVID R. HALL	High Impact Shearing Element
7401863	85.0142	US	Granted	DAVID R. HALL	Press-fit pick
7572134	85.0143	US	Granted	DAVID R. HALL	Centering assembly for an electric downhole connection
11749039	85.0145	US	Pending	DAVID R. HALL	Spring Loaded Pick
7469971	85.0147	US	Granted	DAVID R. HALL	Lubricated pick
7475948	85.0148	US	Granted	DAVID R. HALL	Pick with a bearing
11747341	85.0149	US	Pending	DAVID R. HALL	Diamond Nozzle
7594703	85.0150	US	Granted	DAVID R. HALL	Pick with a reentrant
11773561	85.0156	US	Pending	DAVID R. HALL	Energy Storage in an Elastic Vessel
12/556,488	85.0157-1	US	Pending	DAVID R. HALL	Externally guided and directed field induction resistivity tool
12/395,249	85.0159-1	US	Pending	DAVID R. HALL	Jack element with a stop-off
11761730	85.0161	US	Pending	DAVID R. HALL	Data and/or PowerSwivel
7571782	85.0163	US	Granted	DAVID R. HALL	Stiffened blade for shear-type drill bit
11766975	85.0167	US	Pending	DAVID R. HALL	Rotary Drag Bit with Pointed Cutting Elements
11828848	85.0169	US	Pending	DAVID R. HALL	Borehole Liner
11774227	85.0171	US	Pending	DAVID R. HALL	Carbide Stem Press Fit into a Steel Body of A Pick
11766903	85.0173	US	Pending	DAVID R. HALL	Attack Tool with an Interruption
11773271	85.0174	US	Pending	DAVID R. HALL	Tapered Bore in a Pick
11829577	85.0179	US	Pending	DAVID R. HALL	Pointed Diamond Working Ends on a Shear Bit
11829761	85.0183	US	Pending	DAVID R. HALL	Pick Shank in Axial Tension
7455117	85.0185	US	Granted	DAVID R. HALL	Downhole winding tool
11844662	85.0188	US	Pending	DAVID R. HALL	Pick Assembly
7600823	85.0194	US	Granted	DAVID R. HALL	Pick assembly
D556137	85.0195	US	Granted	DAVID R. HALL	Pick Bolster
D581952	85.0196	US	Granted	DAVID R. HALL	Pick
11851582	85.0198	US	Pending	DAVID R. HALL	Pick with Carbide Cap
12/559,731	85.0199-1	US	Pending	DAVID R. HALL	Indenting Member for

					a Drill Bit
11861641	85.0202	US	Pending	DAVID R. HALL	Downhole Drill Bit
11871722	85.0205	US	Pending	DAVID R. HALL	Hollow Pick Shank
11871835	85.0208	US	Pending	DAVID R. HALL	Non-rotating Pick with a Pressed in Carbide Segment
7413258	85.0209	US	Granted	DAVID R. HALL	Hollow pick shank
11928471	85.0211	US	Pending	DAVID R. HALL	Tool Holder Sleeve
11947644	85.0215	US	Pending	DAVID R. HALL	Shank Assembly
11953424	85.0220	US	Pending	DAVID R. HALL	Holder Assembly
11971965	85.0222	US	Pending	DAVID R. HALL	Pick with an Interlocked Bolster
11962497	85.0223	US	Pending	DAVID R. HALL	Retention for Holder Shank
12020924	85.0227	US	Pending	DAVID R. HALL	Shank Assembly with a Tensioned Element
12021019	85.0229	US	Pending	DAVID R. HALL	Impact Tool
12021051	85.0232	US	Pending	DAVID R. HALL	Impact Tool
29304177	85.0238	US	Pending	DAVID R. HALL	Drill Bit
12051586	85.0245	US	Pending	DAVID R. HALL	Degradation Assembly
12041880	85.0247	US	Pending	DAVID R. HALL	Attack Tool
12051689	85.0249	US	Pending	DAVID R. HALL	Degradation Assembly
12051738	85.0250	US	Pending	DAVID R. HALL	Degradation Assembly
12099038	85.0252	US	Pending	DAVID R. HALL	Method of Forming a Workpiece
12057597	85.0253	US	Pending	DAVID R. HALL	Drill Bit
12112743	85.0256	US	Pending	DAVID R. HALL	Locking fixture for a degradation assembly
12112099	85.0259	US	Pending	DAVID R. HALL	Layered polycrystalline diamond
12112815	85.0270	US	Pending	DAVID R. HALL	Locking fixture
12178467	85.0272	US	Pending	DAVID R. HALL	Drill Bit Porting System
12135595	85.0273	US	Pending	DAVID R. HALL	Retention System
12135654	85.0275	US	Pending	DAVID R. HALL	Retention System
12135714	85.0276	US	Pending	DAVID R. HALL	Retention System
12146665	85.0277	US	Pending	DAVID R. HALL	High-impact Resistant Tool
US08/69231	85.0279	PCT	expired	DAVID R. HALL	Wear Resistant Tool
7533738	85.0280	US	Granted	DAVID R. HALL	Insert in a downhole drill bit
12169345	85.0281	US	Pending	DAVID R. HALL	Retention for an Insert
12177556	85.0282	US	Pending	DAVID R. HALL	Degradation assembly shield
12177599	85.0283	US	Pending	DAVID R. HALL	Shield of a Degradation Assembly

12177637	85.0284	US	Pending	DAVID R. HALL	Degradation Assembly Shield
7628233	85.0285	US	Granted	DAVID R. HALL	Carbide Bolster
12200786	85.0286	US	Pending	DAVID R. HALL	Braze Thickness Control
12200810	85.0287	US	Pending	DAVID R. HALL	Braze Thickness Control
12366706	85.0308	US	Pending	DAVID R. HALL	Thermally Stable Pointed Diamond with Increased Impact Resistance
12372302	85.0309	US	Pending	DAVID R. HALL	Chamfered Pointed Enhanced Diamond Insert
12390353	85.0311	US	Pending	DAVID R. HALL	Inductive Power Coupler
61/164,770	85.0319	US	Pending	DAVID R. HALL	TSP Segments Integrated into a Cutting Element
12/424,815	85.0321	US	Pending	DAVID R. HALL	Seal with Rigid Element for Degradation Assembly
12428531	85.0324	US	Pending	DAVID R. HALL	Manually Rotatable Tool
12428541	85.0325	US	Pending	DAVID R. HALL	Manually Rotatable Tool
12/491,848	85.0331	US	Pending	DAVID R. HALL	Resilient Pick Shank
12491897	85.0332	US	Pending	DAVID R. HALL	Resilient Pick Shank
12492804	85.0333	US	Pending	DAVID R. HALL	Bonded Assembly having Low Residual Stress
12493013	85.0334	US	Pending	DAVID R. HALL	Dense Diamond Body
12494802	85.0335	US	Pending	DAVID R. HALL	Downhole Lubrication System
12494888	85.0336	US	Pending	DAVID R. HALL	Downhole Lubrication System
12/614,614	85.0349	US	Pending	DAVID R. HALL	Test Fixture that Positions a Cutting Element at a Positive Rake Angle
12/619,305	85.0350	US	Pending	DAVID R. HALL	A Cutting Element Attached to a Downhole Fixed Bladed Bit at a Positive Rake
12/616,377	85.0352	US	Pending	DAVID R. HALL	A Fixed Bladed Bit that Shifts Weight between an Indentor and Cutting Elements
12/619,423	85.0353	US	Pending	DAVID R. HALL	Method for Drilling with a Fixed Bladed Bit
12/619,466	85.0354	US	Pending	DAVID R. HALL	Cutting Element with

					Low Metal Concentration
12536695	85.0250-1	US	Pending	DAVID R. HALL	Degradation Assembly

Schedule A to Hall IP Assignment
A-12

RECORDED: 02/24/2010

PATENT
REEL: 023973 FRAME: 0901