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FORM PTO  
1-31-92



DRM COVER SHEET U.S. Department of Commerce  
Patent and Trademark Office

101285329

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>Lockheed Martin Idaho Technologies Company</p>		<p>2. Name and address of receiving party(ies):</p> <p>Name <u>Bechtel BXWT Idaho, LLC</u></p> <p>Internal Address: _____</p> <p>P. O. Box <u>1625, Idaho Falls, ID 83415-3805</u></p> <p>Street Address: _____</p> <p>City: _____ State: _____ ZIP: _____</p> <p>Additional names(s) and address(es) attached:</p> <p>[ ] Yes [X] No</p>	
<p>3. Nature of Conveyance:</p> <p>[X] Assignment [ ] Merger</p> <p>[ ] Security Agreement [ ] Change of Name</p> <p>[ ] Other _____</p> <p>Execution Date: <u>September 28, 1999</u></p>			
<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of this application is: _____</p> <p>A. Patent Application No.(s) B. Patent No. (s)</p> <p>5,349,442</p> <p>Additional numbers attached: [ ] Yes [X] No</p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Patricia Butikofer</u></p> <p>Internal Address: <u>Bechtel BWXT Idaho, LLC</u></p> <p><u>P. O. Box 1625, Idaho Falls, ID 83415-3805</u></p> <p>Street Address: _____</p> <p>City: _____ State: _____ ZIP: _____</p>		<p>6. Total number of applications and patents involved:</p> <p>[ 1 ]</p> <p>7. Total fee (37 CFR 3.41.....\$ <u>40.00</u></p> <p>[ ] Enclosed</p> <p>[X] Authorized to charge to Deposit Account</p> <p>8. Deposit Account Number</p> <p><u>05-0565</u></p>	
<p>DO NOT USE THIS SPACE</p>			
<p>9. Statement and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <p><u>Patricia Butikofer</u> <u>Patricia Butikofer</u> <u>1-28-00</u></p> <p>Name of Person Signing Signature Date</p> <p>Total number of pages including cover sheet, attachments and document [ 3 ]</p>			

03/08/2000 DNGUYEN 00000199 050565 5349442

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PATENT  
REEL: 010589 FRAME: 0073

## PATENT ASSIGNMENT

WHEREAS, LOCKHEED MARTIN IDAHO TECHNOLOGIES COMPANY (hereinafter "LMITCO") a management and operating contractor at the United States Department of Energy Idaho National Engineering and Environmental Laboratory under Contract No. DE-AC07-94ID13223, having changed its name from Lockheed Idaho Technologies Company on June 21, 1996, has been assigned the entire right, title and interest throughout the world (subject to the United States Government retained nonexclusive, nontransferable, irrevocable, paid-up license) in inventions disclosed in United States patents and patent applications listed and described in the attached Schedule A (hereinafter "Subject Inventions");

WHEREAS, Bechtel BWXT Idaho, LLC (hereinafter "BBWI") and the United States Department of Energy have entered into Contract No. DE-AC07-99ID13727 providing for BBWI to assume the management and operating responsibilities at the Idaho National Engineering and Environmental Laboratory;

NOW THEREFORE, for good and valuable consideration, the sufficiency of which is hereby acknowledged, LMITCO hereby assigns and transfers to BBWI, the entire right, title and interest throughout the world in the Subject Inventions and any and all applications for patent, divisions and continuations, substitutes, and reissues of said applications and the entire right, title, and interest in, to and under any and all Letters Patent of the United States and foreign countries that may issue or be granted on said Subject Inventions, subject to the retention by the United States Government of a nonexclusive, nontransferable, irrevocable, paid-up license to practice for or on behalf of the United States the Subject Inventions throughout the world.

LMITCO will sign all lawful papers and will sign all necessary documents which BBWI requests of LMITCO to make this assignment fully effective, including, but not limited to, signing different assignment forms which meet the requirements of certain foreign patent offices.

SIGNED this 20th day of September, 1999.

Lockheed Martin Idaho Technologies Company

By:   
Willis Walker, Corporate Secretary

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SIGNED this 20th day of September, 1999.

Lockheed Martin Idaho Technologies Company

By:   
Willis Walker, Corporate Secretary

Tech ID	Patent Title	Issue Date	Patent No.	Inventors	Record Date	Reel No.	Frame No.
414	Spray-Forming Polymer Membranes, Coatings and Films	10/12/93	5252212	McHugh, Kevin M./ Watson, Lloyd D./ McAtee, Richard E./ Ploger, Scott A.	9/13/99	10226	0240
431	Tensiometer and Method of Determining Soil Moisture Potential in Below-Grade Earth	06/02/98	5758538	Hubbell, Joel M./ Sisson, James B.	2/21/95	7389	0131
437A	Hand Held Phase-Shifting Diffraction Moire Interferometer	09/20/94	5349442	Deason, Vance A./ Ward, Michael B.	9/13/99	10226	0226
438	Beam Shuttering Interferometer and Method	07/27/93	5231468	Deason, Vance A./ Lassahn, Gordon D.	9/13/99	10226	0283
450B	Close Range Fault Tolerant Noncontacting Position Sensor	02/20/96	5493308	Bingham, Dennis N./ Anderson, Allen A.	In Process	In Process	In Process
491	Floating Biaxial Load Fixture	01/18/94	5279166	Epstein, Jonathan S./ Lloyd, W. Randolph	9/13/99	10226	0224
508	A Continuous Bioprocess for Solubilization of Phosphate from Ore	10/26/93	5256544	Rogers, Robert D./ Wolfgram, James H.	12/6/95	7757	0017
521	Integrated Optical Sensor	01/04/94	5275327	Smartt, Herschel B./ Taylor, Paul L./ Watkins, Arthur D.	9/13/99	10226	0007
525	Method and Apparatus for Cutting and Abrading with Sublimable Particles	10/10/95	5456629	Bingham, Dennis N.	6/12/95	7518	0775
547A	Process for Gamma Ray Induced Degradation of Polychlorinated Biphenyls	08/25/98	5799257	Meikrantz, David H./ Mincher, Bruce J./ Arbon, Rodney E.	9/17/99	10244	0256
548	Method of Photon Spectral Analysis	04/27/93	5206174	Gehrke, Robert J./ Putnam, Marie H./ Killian, E. Wayne/ Helmer, Richard G./ Kynaston Ronnie L./ Goodwin, Scott G./ Johnson, Larry O.	9/13/99	10226	0005
567	Catalytic Bipolar Interconnection Plate for Use in a Fuel Cell System	03/05/96	5496655	Lessing, Paul A.	10/12/94	7192	0555
579	Tensiometer and Method for Determining Soil Moisture Potential in Below-Grade Earthen Soil	07/08/97	5644947	Hubbell, Joel M./ Sisson, James B.	1/19/95	7337	0374
581	Method for Mobilization of Hazardous Metal Ions in Soils	06/27/95	5427247	Dugan, Patrick R./ Pfister, Robert M.	1/17/95	7303	0907

PATENT

Tech ID	Patent Title	Patent Serial No.	File Date	Inventor	Record Date	Reel No.	Frame No.
LIT-PI-402	Systems for Delivering Liquefied Natural Gas to an Engine	09/212,489	12/16/98	Bingham, Dennis/ Wilding, Bruce M./ O'Brien, James E./ Shahpush, Ali S./ Brown, Kevin B.	12/16/98	9661	0179
LIT-PI-403	Systems Configured to Distribute a Telephone Call, Communication Systems, Communication Methods and Methods of Routing a Telephone Call to a Customer Service Representative	09/160,632	09/24/98	Harris, Scott H./ Johnson, Joel A./	9/24/98	9481	0353
LIT-PI-406	Method and Apparatus for Pressurizing Vaporious Fluids	09/324,890	06/03/99	Bingham, Dennis N./ Ferguson, Russell L.	6/3/99	10013	0082
LIT-PI-408	Inspection Apparatus for Evaluating a Partially Completed Weld	09/196,399	11/18/98	Smartt, Herschel B./ Larsen, Eric D./ Johnson, John A.	11/19/98	9604	0349
LIT-PI-412	Batteries Having Energy Level Measuring Methods	09/012,177	01/22/98	Rouhani, S. Zia	3/3/98	9066	0021
LIT-PI-417	State of Charge Indicators for a Battery	09/034,535	03/03/98	Rouhani, S. Zia	12/16/98	9661	0204
LIT-PI-429	Method and Apparatus for Assessing Material Properties of Sheet-Like Materials		09/09/99	Telschow, Kenneth L./ Deason, Vance A.	In Process	In Process	In Process
LIT-PI-454	Position Detectors, Methods of Detecting Position and Methods of Providing Positional Detectors	09/336,916	06/21/99	Weinberg, David M./ Harding, L. Dean/ Larsen, Eric D.	6/21/99	10057	0935
LIT-PI-458	Solid State Synthesis of Poly(Dichlorophosphazene)	09/353,194	07/14/99	Hneihen, Azzam S./ Allen, Christopher W./ Peterson, Eric S.	In Process	In Process	In Process
LIT-PI-464	Electro-Optic Voltage Sensor		08/31/99	Davidson, James R./ Crawford, Thomas M./ Seifert, Gary D.	In Process	In Process	In Process
LIT-PI-471	Solid Polymer Battery Electrolyte and Reactive Metal-Water Battery	09/190,039	11/11/98	Harrup, Mason K./ Peterson, Eric S./ Stewart, Frederick F.	11/11/98	9585	0940
LIT-PI-495	Gender Determination of Avian Embryo		09/02/99	Daum, Keith A./ Atkinson, David A.	In Process	In Process	In Process
LIT-PI-515	Getter Materials for Cracking Ammonia	08/924,425	08/27/97	Baker, John D./ Boffilo, Claudio			

PATENT

January 28, 2000

CCN 00-004036

BOX ASSIGNMENT  
Assistant Commissioner for Patents  
Washington, D.C. 20231

EGG-PI-437A, "HAND HELD PHASE-SHIFTING DIFFRACTION MOIRE  
INTERFEROMETER"

Reference: Patent No.: 5,349,442  
Issue Date: 09/20/94

Dear Sir:

Enclosed is an original Patent Assignment, together with a Recordation Form Cover Sheet, and a return receipt postcard.

Sincerely,



Patricia A. Butikofer  
Intellectual Property Administrator  
Technology Transfer Office

PB

Enclosures