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1. Name of conveying party(ies): 4-7-03  
Lockheed Martin Idaho Technologies Corporation  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: Bechtel BWXT Idaho, LLC  
Internal Address: P.O. Box 1625  
Street Address: \_\_\_\_\_  
City: Idaho Falls State: ID Zip: 83415-3899  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
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Execution Date: 9/20/1999

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_  
A. Patent Application No.(s) \_\_\_\_\_  
B. Patent No.(s) 5,961,437  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: IP Legal  
Internal Address: Bechtel BWXT Idaho, LLC  
P.O. Box 1625  
04/08/2003 TDIAZ1 00000095 050565 5961437  
01 FC:8001 40.00 CH  
Street Address: \_\_\_\_\_  
City: Idaho Falls State: ID Zip: 83415-3899

6. Total number of applications and patents involved:   
7. Total fee (37 CFR 3.41).....\$ 40.00  
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9. Signature.  
Mandy Landon Name of Person Signing  
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4/1/03 Date

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PATENT  
REEL: 013922 FRAME: 0074

## 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 20<sup>th</sup> day of September, 1999.

Lockheed Martin Idaho Technologies Company

By:   
Willis Walker, Corporate Secretary

Tech ID	Patent Title	Patent Serial No.	File Date	Inventor	Record Date	Reel No.	Frame No.
LIT-PI-304	Sensor System for Buried Waste Containment Sites	08/925,101	09/08/97	Smith, Ann Marie/ Gardner, Bradley M./ Kostelnik, Kevin M./ Partin, Judy K./ Lancaster, Gregory D./ Pfeifer, M. Catherine	9/8/97	8702	0318
LIT-PI-305	Multi-Layer Waste Containment Barrier	08/925,099	09/08/97	Smith, Ann Marie/ Gardner, Bradley M./ Nickelson, David F.	9/8/97	8704	0045
LIT-PI-313	Method for the Decontamination of Soil Containing Solid Organic Explosives Therein	09/082,421	05/20/98	Radtke, Corey W./ Roberto, Francisco F.	7/24/98	9338	0521
LIT-PI-321	Lightweight Armor System and Process for Producing the Same	09/409,537	09/30/99	Chu, Henry S / Bruck, H. Alan/ Strempek, Gary C/ Varacalle, Dominic J. Jr.	In Process	In Process	In Process
LIT-PI-326	Apparatus Configured for Identification of a Material and Method of Identifying a Material	09/205,265	12/03/98	Slater, John M./ Crawford, Thomas M., Frickey, Dean A.	12/3/98	0936	0669
LIT-PI-329	Advanced Neutron Absorber Materials	09/243,229	02/02/99	Branagan, Daniel J./ Smolik, Galen R.	2/2/99	9745	0768
LIT-PI-330	Apparatus for the Concurrent Ultrasonic Inspection of Partially Completed Welds	09/066,723	04/23/98	Johnson, John A.	4/23/98	9151	0723
LIT-PI-332	Apparatus and Methods for Detecting, Identifying and Quantitating Radioactive Nuclei, and Methods of Distinguishing Neutron Stimulation of a Radiation Particle Detector from Gamma-Ray Stimulation of a Detector	09/145,054	09/01/98	Cole, Jerald D./ Drigert, Mark W./ Robert, Edward L./ Aryaeinejad, Rahmat	9/1/98	9447	0928
LIT-PI-345	Isobaric Groundwater Well	09/071,070	04/30/98	Hubbell, Joel M./ Sisson, James B.	4/30/98	9139	0590
LIT-PI-358	Apparatus and Method for Measuring and Imaging Traveling Waves	09/112,075	07/08/98	Teischow, Kenneth L./ Deason, Vance A.	7/9/99	9366	0472
LIT-PI-364	Methods and Computer Executable Instructions for Rapidly Calculating Simulated Particle Transport Through Geometrically Modeled Treatment Volumes Having Uniform Volume Elements for Use in Radiotherapy	09/063,736	04/21/98	Frandsen, Michael W./ Wessol, Daniel E./ Wheeler, Floyd J.	7/13/98	9316	0463