

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
EFFECTIVE DATE:	11/14/2005												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Roger A Kisner</td><td>11/14/2005</td></tr><tr><td>John B Wilgen</td><td>11/14/2005</td></tr><tr><td>Gerard M Ludtka</td><td>11/14/2005</td></tr><tr><td>Gail Machiewicz Ludtka</td><td>11/14/2005</td></tr><tr><td>Roger A Jaramillo</td><td>11/14/2005</td></tr></tbody></table>		Name	Execution Date	Roger A Kisner	11/14/2005	John B Wilgen	11/14/2005	Gerard M Ludtka	11/14/2005	Gail Machiewicz Ludtka	11/14/2005	Roger A Jaramillo	11/14/2005
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Roger A Jaramillo	11/14/2005												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>UT-Battelle, LLC</td></tr><tr><td>Street Address:</td><td>One Bethel Valley Road</td></tr><tr><td>Internal Address:</td><td>4500N, MS-6258</td></tr><tr><td>City:</td><td>Oak Ridge</td></tr><tr><td>State/Country:</td><td>TENNESSEE</td></tr><tr><td>Postal Code:</td><td>37831-6258</td></tr></table>		Name:	UT-Battelle, LLC	Street Address:	One Bethel Valley Road	Internal Address:	4500N, MS-6258	City:	Oak Ridge	State/Country:	TENNESSEE	Postal Code:	37831-6258
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PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11109376</td></tr></tbody></table>		Property Type	Number	Application Number:	11109376								
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CORRESPONDENCE DATA													
Fax Number: (865)574-0381 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: (865) 574-4178													
Email: bowmanke@ornl.gov													
Correspondent Name: Joseph A. Marasco													
Address Line 1: One Bethel Valley Road													
Address Line 2: 4500N, MS-6258													
Address Line 4: Oak Ridge, TENNESSEE 37831-6258													

CH \$40.00 11109376

ATTORNEY DOCKET NUMBER:

1490.0

NAME OF SUBMITTER:

Karen E. Bowman

Total Attachments: 7

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ASSIGNMENT

WHEREAS, we the below-named inventors whose residence and post office are as stated below, have invented certain new and useful improvements in

Thermal and High Magnetic Field Treatment of Materials and Associated Apparatus

(hereinafter referred to as "Subject Invention") for which an application for United States Letters Patent was executed by us on even date herewith, and

WHEREAS, UT-BATTELLE, LLC, a limited liability company of the State of Tennessee, having an office at One Bethel Valley Road, P. O. Box 2008, Oak Ridge, Tennessee 37831-6258, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest of the undersigned in the Subject Invention and to any Letters Patent that may be granted therefor in the United States of America and in any and all foreign countries.

NOW, THEREFORE, in accordance with the terms of our employment agreement with ASSIGNEE and for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign to ASSIGNEE our entire right, title and interest in the Subject Invention to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the Subject Invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefor on the Subject Invention.

We hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEE.

Further, we hereby agree to communicate to said ASSIGNEE or its representatives any facts known to us respecting said Subject Invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said Subject Invention in the United States of America and in any and all foreign countries.

We further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on us, our heirs, legal representatives, and assigns

Docket No. 1490.0

Full name of inventor: Roger A. Kisner

Signature: *Roger A. Kisner*

Date: 11/14/2005

Residence: 12404 Camdenbridge Drive, Knoxville, TN 37922

Post Office Address: 12404 Camdenbridge Drive, Knoxville, TN 37922

State of Tennessee)

County of Roane)

On this 14 day of November, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared **Roger A. Kisner** to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Karen D. Drew
Notary Public

SEAL

My Commission Expires:



My Commission Expires April 1, 2006

Full name of inventor: **John B. Wilgen**

Signature: John B. Wilgen Date: 11/14/2005 ^{JBW}

Residence: 108 Oklahoma Avenue, Oak Ridge, TN 37830

Post Office Address: 108 Oklahoma Avenue, Oak Ridge, TN 37830

State of Tennessee)
County of Roane)

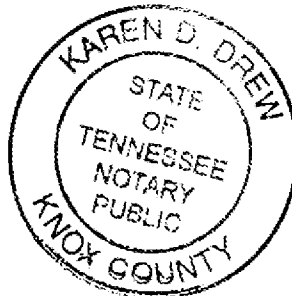
On this 14 day of November, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared **John B. Wilgen** to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Karen D. Drew
Notary Public

SEAL
My Commission Expires:

My Commission Expires April 1, 2006



Full name of inventor: **Gerard M. Ludtka**

Signature: *Gerard M. Ludtka* Date: *Nov. 14, 2005*

Residence: 105 Crestview Lane, NA, Oak Ridge, TN 37830-7673

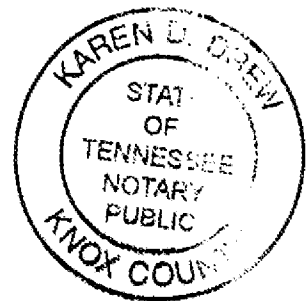
Post Office Address: 105 Crestview Lane, NA, Oak Ridge, TN 37830-7673

State of Tennessee)
County of Roane)

On this 14 day of November 2005, before me, a Notary Public in and for the County and State aforesaid, appeared **Gerard M. Ludtka** to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Karen D. Drew
Notary Public



SEAL
My Commission Expires:

My Commission Expires April 1, 2006

Full name of inventor: **Gail Mackiewicz-Ludtka**

Signature: *Gail Mackiewicz-Ludtka* Date: 11/14/05

Residence: 105 Crestview Lane, Oak Ridge, TN 37830-7673

Post Office Address: 105 Crestview Lane, Oak Ridge, TN 37830-7673

State of Tennessee)
County of Roane)

On this 14 day of November, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared **Gail Mackiewicz-Ludtka** to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

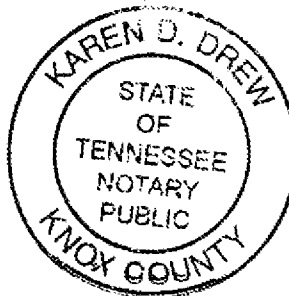
WITNESS my hand and seal the day and year last above given.

Karen D. Drew
Notary Public

SEAL

My Commission Expires:

My Commission Expires April 1, 2006



Full name of inventor: **Roger A. Jaramillo**

Signature: *Roger A. Jaramillo* Date: 11/14/2005

Residence: 1454 N. Campbell Station Road, Knoxville, TN 37932

Post Office Address: 1454 N. Campbell Station Road, Knoxville, TN 37932

State of Tennessee)
County of Roane)

On this 14 day of November, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared **Roger A. Jaramillo** to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Karen D. Drew
Notary Public

SEAL

My Commission Expires:

My Commission Expires April 1, 2006

