

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dipen N. SINHA</td> <td>11/22/2010</td> </tr> <tr> <td>Cristian PANTEA</td> <td>09/30/2010</td> </tr> </tbody> </table>		Name	Execution Date	Dipen N. SINHA	11/22/2010	Cristian PANTEA	09/30/2010						
Name	Execution Date												
Dipen N. SINHA	11/22/2010												
Cristian PANTEA	09/30/2010												
RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>LOS ALAMOS NATIONAL SECURITY LLC</td> </tr> <tr> <td>Street Address:</td> <td>Mail Stop A187, P.O. Box 1663</td> </tr> <tr> <td>Internal Address:</td> <td>Attn: Bruce H. Cottrell, Group Leader LC-IP</td> </tr> <tr> <td>City:</td> <td>Los Alamos</td> </tr> <tr> <td>State/Country:</td> <td>NEW MEXICO</td> </tr> <tr> <td>Postal Code:</td> <td>87544</td> </tr> </table>		Name:	LOS ALAMOS NATIONAL SECURITY LLC	Street Address:	Mail Stop A187, P.O. Box 1663	Internal Address:	Attn: Bruce H. Cottrell, Group Leader LC-IP	City:	Los Alamos	State/Country:	NEW MEXICO	Postal Code:	87544
Name:	LOS ALAMOS NATIONAL SECURITY LLC												
Street Address:	Mail Stop A187, P.O. Box 1663												
Internal Address:	Attn: Bruce H. Cottrell, Group Leader LC-IP												
City:	Los Alamos												
State/Country:	NEW MEXICO												
Postal Code:	87544												
PROPERTY NUMBERS Total: 1													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12793407</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12793407								
Property Type	Number												
Application Number:	12793407												
CORRESPONDENCE DATA													
<p>Fax Number: (703)770-7901</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 703-770-7900</p> <p>Email: allison.douglas@pillsburylaw.com</p> <p>Correspondent Name: Jack S. Barufka</p> <p>Address Line 1: 1650 Tysons Boulevard, Suite 1400</p> <p>Address Line 4: McLean, VIRGINIA 22102</p>													
ATTORNEY DOCKET NUMBER:	091230-0386702												
NAME OF SUBMITTER:	Jack S. Barufka												
<p>Total Attachments: 3</p> <p>source=091230-0386702_LANL_Assig#page1.tif</p> <p>source=091230-0386702_LANL_Assig#page2.tif</p>													

CH \$40.00 12793407

501384813

PATENT
REEL: 025530 FRAME: 0424

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS for a good and valuable sum, the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS:

Dipen N. SINHA
112 Shirlane Place
Los Alamos, NM 87544
United States of America

Cristian PANTEA
~~2060A 41ST~~ 70 SANTOLINA
Los Alamos, NM 87544
United States of America

CP 09-30-2010

hereby sell, assign and transfer to

ASSIGNEE(S):

Los Alamos National Security
Attn: Bruce H. Cottrell, Group Leader LC-IP
Mail Stop A187
P.O. Box 1663
Los Alamos, NM 87544

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

DEVICE AND METHOD FOR GENERATING A BEAM OF ACOUSTIC ENERGY FROM A BOREHOLE, AND APPLICATIONS THEREOF

and which is found in **U.S. Patent Application No. 12/793,407, filed on June 3, 2010**, and any legal equivalent thereof in the United States and/or any foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 11/22/10

Dipen N. Sinha
Signature of Dipen N. SINHA

Date: _____

Signature of Cristian PANTEA

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: _____

Signature of Dipen N. SINHA

Date: 09-30-2010



Signature of Cristian PANTEA