

PATENT ASSIGNMENT

Electronic Version v1.1

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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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Delmar L Barker</td> <td>05/19/2009</td> </tr> <tr> <td>Kenneth L Moore</td> <td>05/19/2009</td> </tr> <tr> <td>William R Owens</td> <td>05/19/2009</td> </tr> </tbody> </table>		Name	Execution Date	Delmar L Barker	05/19/2009	Kenneth L Moore	05/19/2009	William R Owens	05/19/2009		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Raytheon Company</td> </tr> <tr> <td>Street Address:</td> <td>870 Winter Street</td> </tr> <tr> <td>City:</td> <td>Waltham</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02451-1449</td> </tr> </table>		Name:	Raytheon Company	Street Address:	870 Winter Street	City:	Waltham	State/Country:	MASSACHUSETTS	Postal Code:	02451-1449
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (520)844-8644</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 520 977-3495</p> <p>Email: egifford@giffordpatentlaw.com</p> <p>Correspondent Name: Eric A. Gifford</p> <p>Address Line 1: 11770 E. Calle del Valle</p> <p>Address Line 4: Tucson, ARIZONA 85749</p>											
ATTORNEY DOCKET NUMBER:	RAY08W200										
NAME OF SUBMITTER:	Eric A Gifford										
<p>Total Attachments: 4</p> <p>source=RAY08W200AsgnEFS#page1.tif</p> <p>source=RAY08W200AsgnEFS#page2.tif</p>											

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ASSIGNMENT

WHEREAS, each undersigned inventor (hereinafter "ASSIGNOR") of the address indicated *vide infra* is an original and first inventor of "**ACOUSTIC CRYSTAL EXPLOSIVES**", for which an application for Letters Patent of the United States will be filed:

AND WHEREAS, Raytheon Company (hereinafter "ASSIGNEE"), an entity having its principal place of business and mailing address at 870 Winter Street, Waltham, Massachusetts 02451-1449 is desirous of memorializing its interest therein;

NOW, THEREFORE, the undersigned ASSIGNOR hereby confirms ASSIGNEE owns the invention as described in the aforesaid application. Nevertheless, to comport with Patent and Trademark Office procedures, ASSIGNOR memorializes that transfer in the form of this Assignment and;

THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents does sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the ASSIGNOR's full and exclusive right and title to the invention as described in the aforesaid application, in the United States and all foreign countries, together with any related applications or rights, including any Provisional, Non-provisional, Continuation, Continuation-in-Part, Divisional, Reissue, Reexamination, foreign, PCT, or other patent application or like document or right, as well as any right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States adheres, and hereby authorizes and requests the Commissioner of Patents to issue any Letters Patent issuing from or claiming priority to said application to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

AND HEREBY AGREES to transfer a like interest upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements and applications for patents based thereon, growing out of or relating to the invention; and to provide all reasonable assistance and execute any papers deemed essential by ASSIGNEE, its successors, assigns and legal representatives, to ASSIGNEE's full protection and title in and to the invention hereby transferred,

AGREEING, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

EXECUTED as of the date indicated *vide infra* by ASSIGNOR:

Inventor: Delmar L Barker

Signature: Delmar Barker Date: 5/19/09

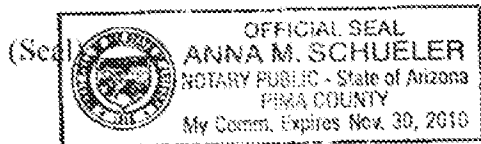
Residence address: 6650 W. Sweetwater, Tucson, Arizona 85745

STATE OF Arizona)
) ss.

COUNTY OF Pima)

On this 19th day of May, 2009, before me, a notary public in and for said county, appeared Delmar L. Barker who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

Anna M. Collins formerly known as
Anna M. Schueler
Notary Public



Inventor: Kenneth L. Moore

Signature: Kenneth L. Moore Date: 19 May 2009

Residence address: 6540 East Calle Huerfano, Sahuarita AZ 85629

STATE OF ARIZONA)

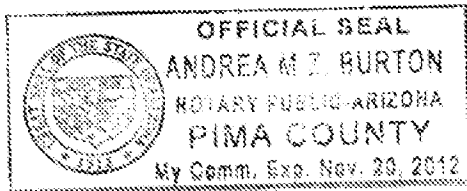
) ss.

COUNTY OF PIMA)

On this 19th day of MAY, 2009, before me, a notary public in and for said county, appeared Kenneth L. Moore who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

(Seal)

Andrea M. Z. Burton
Notary Public



Inventor: William R. Owens

Signature: [Signature]

Date: 5/19/09

Residence address: 9763 E. McAndrew Ct. Tucson, Arizona 85748

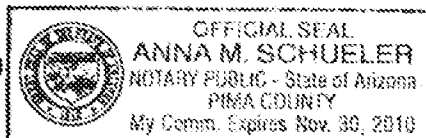
STATE OF Arizona)

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On this 19th day of May, 2009, before me, a notary public in and for said county, appeared William R. Owens who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

(Seal)



Anna M. Collins formerly known as
Anna M. Schueler
Notary Public