

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Delmar L Barker	05/19/2009
William R Owens	05/19/2009
RECEIVING PARTY DATA	
Name:	Raytheon Company
Street Address:	870 Winter Street
City:	Waltham
State/Country:	MASSACHUSETTS
Postal Code:	02451-1449
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12473274
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ATTORNEY DOCKET NUMBER:	RAY08W183
NAME OF SUBMITTER:	Eric A Gifford
Total Attachments: 3 source=RAY08W183AsgnEFS#page1.tif source=RAY08W183AsgnEFS#page2.tif source=RAY08W183AsgnEFS#page3.tif	

OP \$40.00 12473274

Attorney Docket Reference: RAY08W183

Client Reference: PD-08W183

ASSIGNMENT

WHEREAS, each undersigned inventor (hereinafter "ASSIGNOR") of the address indicated *vide infra* is an original and first inventor of "**STIMULATED EMISSION RELEASE OF CHEMICAL ENERGY STORED IN STONE-WALES DEFECT PAIRS IN CARBON NANOSTRUCTURES**", 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)

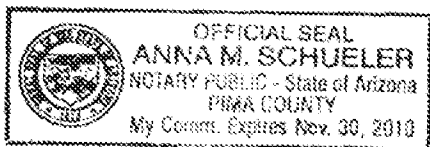
On this 19th day of May, 2009, before me, a notary public in and for said county, appeared Delmar L. Barker who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary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

Anna M. Collins formerly known as

Anna M. Schueler

Notary Public

(Seal)



Inventor: William R. Owens

Signature: *William R. Owens*

Date: 5/19/09

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

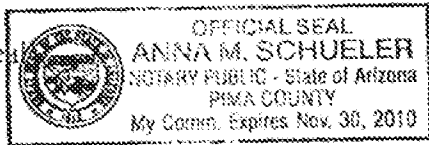
STATE OF Arizona)

) ss.

COUNTY OF Pima)

On this 19th day of May, 2009, before me, a notary public in and for said county, appeared 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.

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



(Seal)