

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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mark HAUHE</td> <td>11/03/2009</td> </tr> <tr> <td>Clifton QUAN</td> <td>11/03/2009</td> </tr> <tr> <td>Sean COSTELLO</td> <td>11/03/2009</td> </tr> <tr> <td>Jim VAUGHT</td> <td>11/03/2009</td> </tr> </tbody> </table>		Name	Execution Date	Mark HAUHE	11/03/2009	Clifton QUAN	11/03/2009	Sean COSTELLO	11/03/2009	Jim VAUGHT	11/03/2009
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RECEIVING PARTY DATA											
<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: (703)770-7901</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7037707900</p> <p>Email: docket_IP@pillsburylaw.com</p> <p>Correspondent Name: Pillsbury Winthrop Shaw Pittman LLP (Ray</p> <p>Address Line 1: P.O. Box 10500</p> <p>Address Line 4: McLean, VIRGINIA 22102</p>											
ATTORNEY DOCKET NUMBER:	073522-0380373										
NAME OF SUBMITTER:	Shylah L. Dobson										
<p>Total Attachments: 4</p> <p>source=Assignment#page 1.tif</p>											

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PATENT
REEL: 023536 FRAME: 0657

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Attorney Docket No. 073522-0380373
Raytheon Ref.: 08W223/2008-01289-US

ASSIGNMENT BY INVENTOR

In consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of Ten Dollars (\$10.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR(S):

Full name of sole or first inventor	Mark HAUHE
Mailing Address	977 15TH Place, Hermosa Beach, CA 90254
Full name of second inventor, if any	Clifton QUAN
Mailing Address	5521 N. Florida Ave., Arcadia, CA 91006
Full name of third inventor, if any	Sean COSTELLO
Mailing Address	2227 Ruhland Avenue, Unit B, Redondo Beach, CA 90278
Full name of fourth inventor, if any	Jim VAUGHT
Mailing Address	5865 Flambeau Road, Rancho Palos Verdes, CA 90275

hereby sell, assign and transfer to

ASSIGNEE:

Raytheon Company
870 Winter Street
Waltham, MA 02451-1449

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:

RECONFIGURABLE FLUIDIC SHUTTER FOR SELECTIVELY SHIELDING AN ANTENNA ARRAY

and which is found in (37 C.F.R. § 3.21) U.S. application naming the above inventors for the above-entitled invention and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by

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the above application or any continuation, continuation-in-part, 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.

AND for the same consideration, Assignor(s) hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignor(s) will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor(s) hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor(s) hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

All Attorneys associated with U.S.P.T.O. Customer No. 081715

Pillsbury Winthrop Shaw Pittman, LLP
1650 Tyson's Blvd.
McLean, VA 22101

AND Assignor(s) acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Attorney Docket No. 073522-0380373
Raytheon Ref.: 08W223/2008-01289-US

SIGNATURES:


Executed this 3 day of November, 2009
at Raytheon Company 2000 E. El Segundo Blvd, El Segundo, CA

Mark S Hauhe
(Signature)
Mark S Hauhe
Printed Name - Mark HAUHE

State of California)
County of Los Angeles)

Before me personally appeared said Mark HAUHE
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and
that by his/her/ signature on the instrument the person executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

Seal  *Susan Valerie Antrillo*
(Notary Public)

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required.

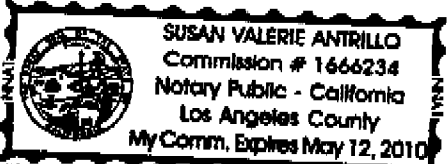
Executed this 3 day of November, 2009
at Raytheon Company 2000 E. El Segundo Blvd, El Segundo, CA

Clifton Quan
(Signature)
Clifton Quan
Printed Name - Clifton QUAN

State of California)
County of Los Angeles)

Before me personally appeared said Clifton QUAN
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and
that by his/her/ signature on the instrument the person executed the instrument.

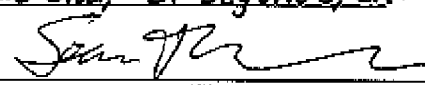
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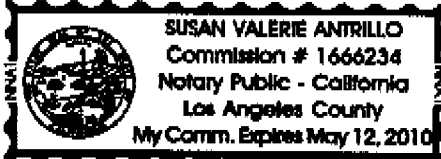
Executed this 3 day of November, 2009,
at Raytheon Company, 2000 E. El Segundo Blvd, El Segundo, CA.



(Signature)
SEAN J. COSTELLO
Printed Name - Sean COSTELLO

State of California)
County of Los Angeles)

Before me personally appeared said Sean COSTELLO
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and
that by his/her signature on the instrument the person executed the instrument.

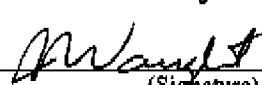
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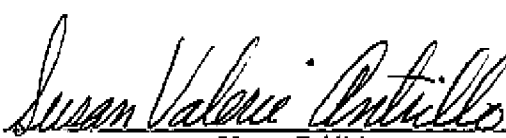

(Signature)
Jim Vaught
Printed Name - Jim VAUGHT

State of California)
County of Los Angeles)

Before me personally appeared said Jim VAUGHT
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and
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