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PATENTS ONLY

Atty Ref/Docket No.: 1547.081US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Ronald J. Butte

Additional name(s) of conveying party(ies) attached?

[ ] Yes [X] No

3. Nature of conveyance:

- Assignment       Merger
- Security Agreement    Change of Name
- Other

Execution Date: March 3, 2009

2. Name and address of receiving party(ies):

Name: Raytheon Company

Street Address: 870 Winter Street

City: Walham State: MA Zip: 02451-1449

Additional name(s) & address(es) attached? [ ] Yes [X] No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 12/398,467, filed March 5, 2009

Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Gregory J. Gorrie

Address:

Schwegman, Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402-0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

[ ] Enclosed

Authorized to be charged to deposit account  
19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Gregory J. Gorrie/Reg. No. 36,530

Name of Person Signing

*Gregory J. Gorrie*  
Signature

December 29, 2009

Date

Total number of pages including cover sheet: 3

Mail documents to be recorded with required cover sheet information to:

**Commissioner of Patents and Trademarks**  
**Mail Stop Assignment Recordation Services**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

PATENT

REEL: 023723 FRAME: 0149

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CH \$40.00 190743 12398467

**ASSIGNMENT**

WHEREAS, I, Ronald J. Butte, residing at 4487 N. Sabino Mountain Dr., Tucson, AZ 85750-6927, made certain new and useful inventions and improvements for which I filed an application for Letters Patent of the United States entitled PRESSURE-BASED SEPARATION APPARATUSES:

WHEREAS, I hereby authorize and request my attorneys, as listed on the Combined Declaration and Power of Attorney, at Schwegman, Lundberg & Woessner, P.A., located at 121 South Eighth Street, Suite 1600, Minneapolis, MN 55402, to insert here in parentheses (Ser. No. 12/398,467; Filing Date: March 5, 2009) the filing date and application number of said application when known.

AND WHEREAS, Raytheon Company, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 870 Winter Street, Waltham, MA 02451-1449 (hereinafter "Assignee"), is desirous of acquiring the entire right, priority right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

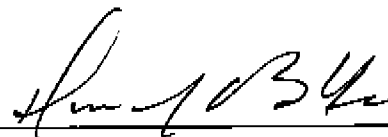
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

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AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 3 day of March, 2009.



Ronald J. Butte

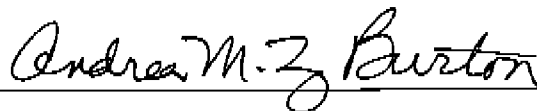
STATE OF ARIZONA )

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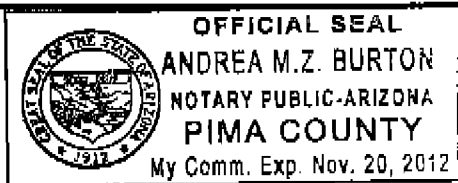
COUNTY OF PIMA )

On this 3rd day of MARCH, 2009 before me personally appeared Ronald J. Butte, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Notary Public



**SCHWEGMAN ■ LUNDBERG ■ WOESSNER**  
 PATENT, TRADEMARK & COPYRIGHT ATTORNEYS

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Minneapolis, MN 55402

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Date: December 30, 2009

Time: 7:44 A.M.  
 (Minneapolis, Minn.)

TO: Commissioner for Patents  
 Attn: Assignment Recordation Services  
 Patent Examining Corps  
 Facsimile Center  
 P.O. Box 1450  
 Alexandria, VA 22313-1450  
 FAX NUMBER 571-273-0140

FROM: Gregory J. Gorrie

OUR REF: 1547.081US1

Documents Transmitted:

Assignment (2 pages), Assignment Recordation Form Cover Sheet (1 page), authorization to charge Deposit Account No. 19-0743 in the amount of \$40.00 to cover the Assignment Recording Fee.

Total pages of this transmission, including cover letter: (4 pgs)

If you do NOT receive all of the pages described above, please telephone us at 612-373-6900 or fax us at 612-339-3061.

In re. Patent Application of: Ronald Butte

Examiner:

Serial No.: 12/398,467

Group Art Unit: 3644

Filed: March 5, 2009

Docket No.: 1547.081US1

Title: PRESSURE-BASED SEPARATION APPARATUSES

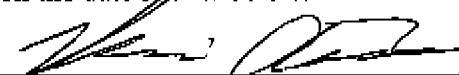
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By: 

Name: Gregory J. Gorrie

Reg. No. 36,530

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

  
 Kevin Austad

\_\_\_\_\_  
 Date