

FORM PTO 1595

1-31-92

REC

11-04-2003

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents

1. Name and Address of Conveying Party(ies):

Individual: Byron Elliott Short, Jr., 1300 Red Oak Trail,
Fairview, Collin County, Texas 75069Citizenship: United States of America

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

☒ Yes ☐ No

102590908

Name:

Raytheon Company

Internal Address:

Street Address:

141 Spring Street

City:

Lexington

State:

Massachusetts

Corporation/State

Delaware

Zip: 02421

Additional name(s) &
Address(es) attached?☐ Yes☒ No22387 U.S. PTO
10/693562

102466

3. Nature of conveyance:

☒ X

Assignment

☐

Merger

☐

Security Agreement

☐

Change of Name

☐

Other:

Execution Date: October 15, 2003 and October 17, 2003

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: October 15, 2003 and October 17, 2003.

A. Patent Application No.(s):

10693562

B. Patent No.(s):

Additional Numbers

☐ Yes☒ No

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

Name: Jerry W. Mills, Esq.
Internal Address: Baker Botts L.L.P.
Street Address: 2001 Ross Avenue, Suite 600
City: Dallas
State: Texas Zip 75201-2980

6. Total number of application and patents involved: One

7. Total Fee (37C.F.R. 3.41): \$40.00

☒ X

Enclosed

☐

Authorized to be charged to deposit account

8. Deposit Account Number:

(Attach Duplicate Copy of this page if paying by deposit account)

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9. Statement and signature.

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

T. Murray Smith, Reg. No. 30,222

Name of Person Signing

Signature

October 24, 2003

Date

Total number of pages including cover sheet

5

OMB No. 0651-0011 (exp. 4/94)

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Mail Stop Assignment Recordation Services
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DAL01:763384.1

PATENT
REEL: 014642 FRAME: 0567

1. Name and Address of Conveying Party(ies) (continued):

Jay M. Ochterbeck
302 Edgewood Avenue
Clemson, Pickens County, South Carolina 29631

Citizenship: United States of America

ASSIGNMENT

WHEREAS, we, the undersigned joint inventors, of residence as listed, have invented certain new and useful improvements as below entitled, for which a non-provisional application for United States Letters Patent is made, a Declaration for said non-provisional application having been executed on the date set forth below; and

WHEREAS, Raytheon Company (hereinafter referred to as "Assignee"), a Delaware Corporation, with an address of 141 Spring Street, Lexington, Massachusetts 02421, desires to acquire our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee.

We also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

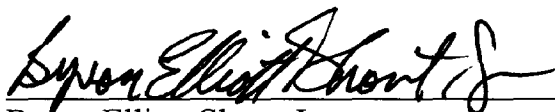
We will communicate to Assignee any facts known to us respecting any improvements; and we will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention: METHOD AND APPARATUS FOR
 CONTROLLING TEMPERATURE GRADIENTS
 WITHIN A STRUCTURE BEING COOLED

Signature of Inventor:

Inventor's Name:



Byron Elliott Short, Jr.

Residence (City, County, State)

1300 Red Oak Trail
Fairview, Collin County, Texas 75069

Date Assignment Executed:

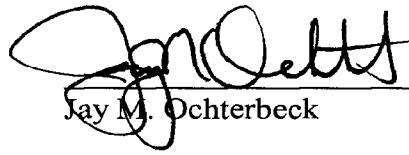
10/15/03

Date Application Executed:

10/15/03

Signature of Inventor:

Inventor's Name:


Jay M. Ochterbeck

Residence (City, County, State)

302 Edgewood Avenue
Clemson, Pickens County,
South Carolina 29631

Date Assignment Executed:

10/17/03

Date Application Executed:

10/17/03