

10-27-2004

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U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



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PATENTS OFFICE

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

QUENTEN E. DUDEN
ALLAN T. MENSE

Execution Date(s) 10/13/2004; 10/08/2004

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: RAYTHEON COMPANY

Internal Address: Intellectual Property & Licensing

Street Address: WALTHAM WOODS

870 WINTER STREET

City: WALTHAM

State: MASSACHUSETTS

Country: USA Zip: 02451-1449

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

10-20-04
10969724

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

Name: THOMAS J. FINN, ESQ.

Internal Address: PATENT DOCKETING

P. O. BOX 902

Street Address: 2000 E. EL SEGUNDO BLVD.

EO/E4/N119

City: EL SEGUNDO BLVD.

State: CALIFORNIA Zip: 90245-0902

Phone Number: (520) 794-7980

Fax Number: (520) 794-3268 / (520) 794-8171

Email Address: tjfinn@raytheon.com

6. Total number of applications and patents involved:

ONE (1)

7. Total fee (37 CFR 1.21(h) & 3.41) \$

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 50-0888

Authorized User Name THOMAS J. FINN, ESQ.

9. Signature:

Thomas J. Finn
Signature
Thomas J. Finn

10-19-04
Date

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

10/27/2004 6TOW11 00000083 500888 10969724

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PATENT
REEL: 015915 FRAME: 0970


ASSIGNMENT

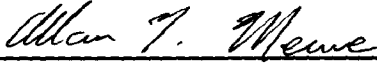
WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) **CATALYZED DECOMPSING FOAM FOR ENCAPSULATING SPACE-BASED KINETIC OBJECTS** for which applications for Letters Patent of the United States has been executed by me on this day, or (if the following is completed) filed on _____ as Serial No. _____ ; and

WHEREAS, RAYTHEON (hereinafter referred to as RAYTHEON COMPANY), a Delaware Corporation, having its principal place of business in Lexington, Massachusetts is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to RAYTHEON COMPANY, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said RAYTHEON COMPANY, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to RAYTHEON COMPANY, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by RAYTHEON COMPANY, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of RAYTHEON COMPANY, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in RAYTHEON COMPANY, its successors, assigns or other legal representatives.

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR QUENTEN E. DUDEN	INVENTOR'S SIGNATURE 	DATE 10-13-04
RESIDENCE (CITY AND STATE) TUCSON, AZ.		INVENTION AGREEMENT DATE 01/31/1994

FULL NAME OF SOLE OR JOINT INVENTOR ALLAN T. MENSE	INVENTOR'S SIGNATURE 	DATE 10/8/2004
RESIDENCE (CITY AND STATE) GREEN VALLEY, CA,		INVENTION AGREEMENT DATE 12/10/2001

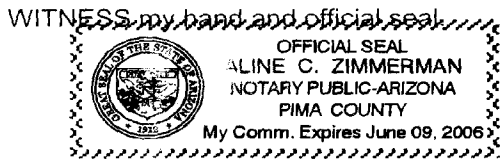
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE

STATE OF Arizona)
COUNTY OF Pima) SS:
On Oct 13, 2004 before me Aline C. Zimmerman
a Notary Public in and for said State, personally appeared Quenten E. Duden

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



Notary Public Aline C. Zimmerman

ASSIGNMENT

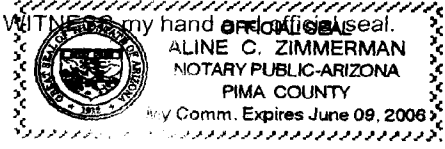
ADDENDUM
PD-04W076
Page of

STATE OF Arizona
COUNTY OF Pima

SS:

On Oct. 8, 2004 before me, Alaine C. Zimmerman
a Notary Public in and for said State, personally appeared Allen T. Mace

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



Notary Public Alaine C. Zimmerman

STATE OF _____)
COUNTY OF _____)

SS:

On _____ before me, _____
a Notary Public in and for said State, personally appeared _____

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary Public _____

STATE OF _____)
COUNTY OF _____)

SS:

On _____ before me, _____
a Notary Public in and for said State, personally appeared _____

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary Public _____