

10-13-2000

COMMERCE



R SHEET

8-28-00

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PD-00W073

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

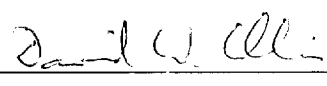
1. Name of conveying party(ies):  Stephen W. Mc Cahon; Scott G. Martin; Robert W. Knox; Andrew E. Paul Additional Name(s) of conveying party(ies) attached? yes <input type="checkbox"/> no <input checked="" type="checkbox"/>	2. Name and address of receiving party(ies):  Name: RAYTHEON COMPANY Internal Address: Bldg. EO/E1/M/S E150 P.O. Box 902 El Segundo, California 90245-0902
3. Nature of Conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____  Execution Date: 08/23/00; 08/10/00; 08/09/00; 08/08/00	Street Address: 2000 E. El Segundo Blvd. Bldg. EO/E1/M/S E150 El Segundo, California 90245-0902  Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> 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) 09544,677 | B. Patent No.(s)  
Filing Date: 04/07/00  
Additional numbers attached? ☐ yes ☒ no

5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Patent Records Administration Internal Address: RAYTHEON COMPANY Bldg. EO/E1/M/S E150 P.O. Box 902 El Segundo, California 90245-0902  Street Address: 2000 E. El Segundo Blvd. Bldg. EO/E1/E150 El Segundo, California 90245-0902	6. Total number of applications and patents involved: [ 1 ]  7. Total fee (37 CFR 3.41)..... \$40.00  <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number:  50-0888  (Attached 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 any attached copy is a true copy of the original document.*

DAVID W. COLLINS  8/24/00  
Name of Person Signing Signature Date

Total number of pages comprising cover sheet: [ 3 ]

10/10/2000 MTHAI1 00000089 500888 09544677  
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Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 011144 FRAME: 0055

# ASSIGNMENT


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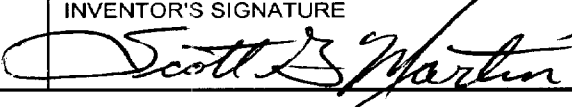
WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) **METHOD AND SYSTEM UTILIZING A LASER FOR EXPLOSION OF AN ENCASED HIGH EXPLOSIVE** for which application for Letters Patent of the United States has been executed by me on this day, or (if the following is completed) filed on 04/07/2000 as Serial No. 09/544,677; and

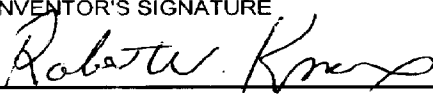
WHEREAS, RAYTHEON COMPANY, a Delaware Corporation, having its principal place of business in Lexington, Massachusetts, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor 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; convenient 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	INVENTOR'S SIGNATURE	DATE
Stephen W. Mc Cahon		23 Aug 00
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
Tucson, Arizona		May 96

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Scott G. Martin		10 Aug 00
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
Oro Valley, Arizona		5 Jan 75

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Robert W. Knox		9 AUG 00
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
Oro Valley, Arizona		4 APR 84

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Andrew E. Paul		8/8/2000
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
Tucson, Arizona		Nov. 30, 1997

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 Aug 23 before me Aline C. Zimmerman a Notary Public in and for said State,  
personally appeared Stephen W. Mc Cahon

o personally known to me or o 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 Aline C. Zimmerman

