

06-23-1998

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

RE



IEET

6-10-98

100744289

PD-970482

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

1. Name of conveying party(ies):

David D. Crouch; Joseph Santoru; Robin Harvey

Additional Name(s) of conveying party(ies) attached?
yes ☐ no ☒

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

Name: RAYTHEON COMPANY

Internal Address: Bldg. R11, M/S M365

P.O. Box 902

El Segundo, California 90245

100744289 U.S. PTO
06/10/98

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 03/12/98; 03/18/98; 04/08/98

Street Address: 2000 El Segundo Blvd.
Bldg. R11 M/S M365
El Segundo, California 90245-0902

Additional name(s) & address(es) attached? ☐ yes ☒ 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: 03/12/98;
03/18/98; 04/08/98

A. Patent Application No.(s)

B. Patent No.(s)

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. R11, M/S M365
P.O. Box 902
El Segundo, California 90245-0902

Street Address: 2000 El Segundo Blvd.
Bldg. R11 M/S M365
El Segundo, California 90245-0902

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

8. Deposit account number:

18-0550

(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.

BRIAN C. DOWNS

Name of Person Signing

Signature

Date

06/22/1998 SSMITH 00000043 180550 09095166

Total number of pages comprising cover sheet: [5]

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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: 9249 FRAME: 0357

ASSIGNMENT

Page 1 of 2
PD-970482

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) MAGNETRON TUNING USING PLASMAS 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 as Serial No. /,; and

WHEREAS, RAYTHEON COMPANY (hereinafter referred to as RAYTHEON), a Delaware Corporation, having its principal place of business in Los Angeles, California, 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 RAYTHEON, 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, 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 Assistant Commissioner for Patents of the United States and all foreign countries to issue all such Letters Patent to said RAYTHEON, 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 agreement, sale and transfer; and agree to communicate to RAYTHEON, 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, 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, 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, its successors, assigns or other legal representatives.

PATENT

REEL: 9249 FRAME: 0358

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
DAVID D. CROUCH	<i>David D. Crouch</i>	3/12/98
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
1278 BILTMORE CIRCLE CORONA, CA 91720		November 25, 1991

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
JOSEPH SANTORU	<i>Joseph Santoru</i>	3/18/98
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
4240 N LOST HILL 1901 AGOURA HILLS, CA 91301		February 27, 1984

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
ROBIN J. HARVEY	<i>Robin J. Harvey</i>	4/6/98
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
717 CALLE MANDARINAS THOUSAND OAKS, CA 91360		July 17, 1997

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

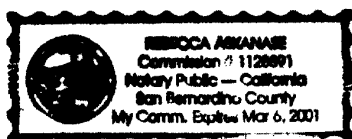
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE

STATE OF CALIFORNIA)
 COUNTY OF SAN BERNARDINO) SS

On 3/12/98 before me, REBECCA ASKANASE
 a Notary Public in and for said State, personally appeared DAVID D. CROUCH

☐ 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.



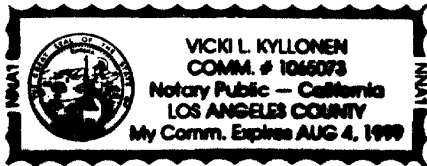
Notary Public

Rebecca Askarase

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of CALIFORNIA
County of LOS ANGELES
On 3/18/98 before me, VICKI L. KYLLONEN, NOTARY PUBLIC
Date Name and Title of Office (e.g. "Jane Doe, Notary Public")
personally appeared JOSEPH SINTERO
Name(s) of Signer(s)

☐ 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.

Vicki L. Kyllonen
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: ASSIGNMENT PD-17-442
Document Date: 03-17-84 Number of Pages: 2
Signer(s) Other Than Named Above: DAVID D. CROUCH, ROBIN J. HARVEY

Capacity(ies) Claimed by Signer(s)

Signer's Name: JOSEPH SINTERO
☒ Individual
☐ Corporate Officer
Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
Other: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

Signer Is Representing:

HUGHES RESEARCH LAB

Signer's Name: _____
Individual
Corporate Officer
Title(s): _____
Partner — ☐ Limited ☐ General
Attorney-in-Fact
Trustee
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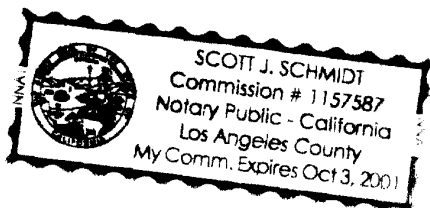
RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

Signer Is Representing:

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California
County of Los Angeles
On April 8, 1998 before me, Scott J. Schmidt, Notary Public
DATE NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"
personally appeared Robin James Harvey
NAME(S) OF SIGNER(S)

☐ 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.

Scott J. Schmidt
SIGNATURE OF NOTARY

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CAPACITY CLAIMED BY SIGNER

- ☐ INDIVIDUAL
☐ CORPORATE OFFICER

TITLE(S)

- ☐ PARTNER(S) ☐ LIMITED
☐ GENERAL
☐ ATTORNEY-IN-FACT
☐ TRUSTEE(S)
☐ GUARDIAN/CONSERVATOR
☐ OTHER: _____

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NAME OF PERSON(S) OR ENTITY(IES)

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