

08-22-2001



101818902

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PD-01W005

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**Conveyance Type**

Assignment  Security Agreement

License  Change of Name

Merger  Other \_\_\_\_\_

**U.S. Government**  
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J1050 U.S. PTO  
09/23/02  
08/06/01

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Execution Date  
Month Day Year

Name (line 1) Cheng-Chih Tsai

08-06-2001

Name (line 2) \_\_\_\_\_

**Second Party**

Name (line 1) Chungte W. Chen

Execution Date  
Month Day Year  
08-06-2001

Name (line 2) *09/23/02*

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1) RAYTHEON COMPANY

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2) \_\_\_\_\_

Address (line 1) Bldg. E1, M.S. E150

Address (line 2) P.O. Box 902

Address (line 3) El Segundo California 90245  
City State/Country Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name Colin M. Raufer. Reg. No. 40.781

Address (line 1) Bldg. E1, M.S. E150

Address (line 2) P.O. Box 902

Address (line 3) El Segundo, California 90245

Address (line 4) \_\_\_\_\_

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**Correspondent Name and Address** Area Code and Telephone Number (310) 647-3214

Name Patent Records Administration

Address (line 1) RAYTHEON COMPANY

Address (line 2) Bldg. E1, M.S. E150

Address (line 3) P.O. Box 902

Address (line 4) El Segundo, California 90245

**Pages** Enter the total number of pages of the attached conveyance document including any attachments. # 2

**Application Number(s) or Patent Number(s)**  Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT  PCT  PCT

PCT  PCT  PCT

**Number of Properties** Enter the total number of properties involved. # 1

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment: Enclosed  Deposit Account

Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # 50-0616

Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

Colin M. Raufer, Reg. No. 40,781 August 6, 2001

Name of Person Signing Signature Date

**ASSIGNMENT**Page 1 of 2  
PD-01W005

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) **RADIOMETRY CALIBRATION SYSTEM AND METHOD FOR ELECTRO-OPTICAL SENSORS** for which application for Letters Patent of the United States has been executed by me on or before 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 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, 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, 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, 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.

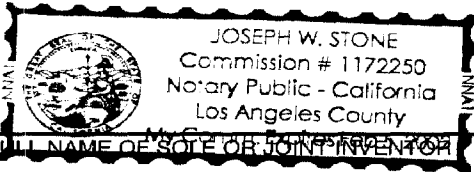
IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR CHENG-CHIH TSAI	INVENTOR'S SIGNATURE <i>Cheng-Chih Tsai</i>	DATE 8/6/2001
RESIDENCE (CITY AND STATE) CERRITOS, CA		INVENTION AGREEMENT DATE April 22, 1985

STATE OF CALIFORNIA )  
 COUNTY OF LOS ANGELES ) SS:  
 On AUGUST 6, 2001 before me, JOSEPH W. STONE,  
 a Notary Public in and for said State, personally appeared CHENG-CHIH TSAI

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.



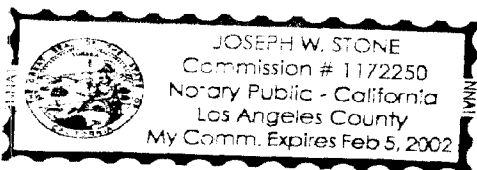
Notary Public *Joseph W. Stone*

FULL NAME OF SOLE OR JOINT INVENTOR CHUNGTE W. CHEN	INVENTOR'S SIGNATURE <i>Chungte W. Chen</i>	DATE 8/6/2001
RESIDENCE (CITY AND STATE) IRVINE, CA		INVENTION AGREEMENT DATE March 31, 1989

STATE OF CALIFORNIA )  
 COUNTY OF LOS ANGELES ) SS:  
 On AUGUST 6, 2001 before me, JOSEPH W. STONE,  
 a Notary Public in and for said State, personally appeared CHUNGTE W. CHEN

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 *Joseph W. Stone*

PATENT