

02-27-2004

Form PTO-1595  
(Rev. 10/02)

REC



U.S. DEPARTMENT OF COMMERCE  
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OMB No. 0651-0027 (exp. 6/30/2005)

102679954

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

1. Name of conveying party(ies):

David J. Gulbransen  
Alan W. Hoffman  
John T. Caulfield

2-17-04

2. Name and address of receiving party(ies)

Name: Raytheon Company

Internal Address: \_\_\_\_\_

Office of the General Counsel

Street Address: 870 Winter Street

City: Waltham State: MA Zip: 02451

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

22856 U.S. PTO  
10781268

021704

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: 02/05/2004

4. Application number(s) or patent number(s):

10781268

If this document is being filed together with a new application, the execution date of the application is: 02/05/2004

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: Raytheon Company

Internal Address: EO/E04/N119

Street Address: 2000 East El Segundo Boulevard

P O Box 902

City: El Segundo State: CA Zip: 90245

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:

50-0616

DO NOT USE THIS SPACE

9. Signature.

William C. Schubert (Reg. No. 30,102)

Name of Person Signing

*William C Schubert*

Signature

2004-02-13

Date

Total number of pages including cover sheet, attachments, and documents: 6

Mall documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

02/26/2004 EC00PER 00000103 500616 10781268

01 FC:8021 40.00 DA

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)

**High Dynamic Range Dual Mode Capacitive Transimpedance  
Amplifiers/Source Follower per Detector Input Circuit**

for which application for Letters Patent of the United States has been executed by me, or *(if the following is completed)* was filed as Application No. \_\_\_ on \_\_\_ and

WHEREAS, RAYTHEON COMPANY (hereinafter referred to as RAYTHEON), a Delaware corporation, having its principal place of business in Waltham, 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 Director of the United States Patent and Trademark Office 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.

Title: High Dynamic Range Dual Mode Capacitive Transimpedance Amplifiers/Source Follower per Detector Input Circuit

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR <b>David J. Gulbransen</b>	INVENTOR'S SIGNATURE <i>David J. Gulbransen</i>	DATE SIGNED <i>2-5-2004</i>
RESIDENCE (CITY AND STATE) Santa Barbara, California	INVENTION AGREEMENT DATE 3 June 1985	

STATE OF CALIFORNIA )  
 )  
 COUNTY OF SANTA BARBARA )

SS:

On February 5<sup>th</sup>, 2004, before me, Merilee J. Conley, a  
 Notary Public in and for said State, personally appeared DAVID J. GULBRANSEN

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 *Merilee J. Conley*  
 Merilee J. Conley  
 My commission expires July 18, 2004

[seal]



Title: *High Dynamic Range Dual Mode Capacitive Transimpedance Amplifiers/Source Follower per Detector Input Circuit*

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR <b>Alan W. Hoffman</b>	INVENTOR'S SIGNATURE <i>Alan W. Hoffman</i>	DATE SIGNED <i>2/5/04</i>
RESIDENCE (CITY AND STATE) Goleta, California	INVENTION AGREEMENT DATE 11 August 1978	

STATE OF CALIFORNIA )  
 )  
 COUNTY OF SANTA BARBARA ) SS:

On February 5<sup>th</sup>, 2004, before me, Merilee J. Conley, a Notary Public in and for said State, personally appeared ALAN W. HOFFMAN

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.



[seal]

Notary Public *Merilee J. Conley*  
*Merilee J. Conley*  
 My commission expires July 18, 2004

Title: High Dynamic Range Dual Mode Capacitive Transimpedance Amplifiers/Source Follower per Detector Input Circuit

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Attorney Docket No. 03W140\*

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR <b>John T. Caulfield</b>	INVENTOR'S SIGNATURE <i>John T. Caulfield</i>	DATE SIGNED <b>2/5/2004</b>
RESIDENCE (CITY AND STATE) Santa Barbara, California		INVENTION AGREEMENT DATE 22 July 1996

STATE OF CALIFORNIA )  
 )  
 COUNTY OF SANTA BARBARA ) SS:

On February 5<sup>th</sup>, 2004, before me, Merilee J. Conley, a Notary Public in and for said State, personally appeared JOHN T. CAULFIELD

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 *Merilee J. Conley*  
 Merilee J. Conley  
 My commission expires July 18, 2004



[seal]