

04-17-2003

Atty Dkt No.: RTN-190PUS

Form PTO-1595 (Rev. 03/01) RE



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

OMB No. 0651-0027 (exp. 5/31/2002)

102422770

Tab settings

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

1. Name of conveying party(ies): James William Casalegno Frank Philip Monte Eric Kent Slater

4-9-03

2. Name and address of receiving party(ies) Name: Raytheon Company Internal Address:

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

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other

Street Address: 141 Spring Street

City: Lexington State: MA Zip: 02421

Execution Date: 3/17/03, 3/21/03, 4/2/03

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

4. Application number(s) or patent number(s): 3/17/03, 3/19/03, 4/2/03 If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

10409844

Additional numbers attached? Yes No

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

Name: Daly, Crowley & Mofford, LLP

Internal Address:

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

Street Address: 275 Turnpike Street, Suite 101

8. Deposit account number:

500845

(Attach duplicate copy of this page if paying by deposit account)

City: Canton State: MA Zip: 02021-2310

DO NOT USE THIS SPACE

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.

Paul D. Durkee Reg. No. 41,003 Name of Person Signing

Paul Durkee Signature

9 Apr 03 Date

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

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

10912 U.S. PTO 10/109844 04/09/03

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A S S I G N M E N T

Whereas we, the undersigned, Kirk K. Kohnen, James William Casalegno, Frank Philip Monte and Eric Kent Slater, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled HIGH RESOLUTION, HIGH DYNAMIC RANGE ANALOG-TO-DIGITAL CONVERTER AND RELATED TECHNIQUES, identified as Attorney Docket No. RTN-190PUS and Client Case No. 00E125 which application was executed on March 17, 2003, March 21, 2003 and April 2, 2003 and filed on Herewith and Assigned Application No._____. In the event that the execution date, filing date and/or Application No. are not entered above at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at Daly, Crowley & Mofford, LLP, 275 Turnpike Street, Suite 101, Canton, MA 02021-2310, to insert above the execution date, filing date and/or Application No. of said application.

Whereas, Raytheon Company, a Massachusetts Corporation having a place of business at 141 Spring Street, Lexington, Massachusetts 02421, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to me/us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which I have executed this Assignment as an instrument under seal on the dates indicated next to my name.

State or Commonwealth of _____

County _____

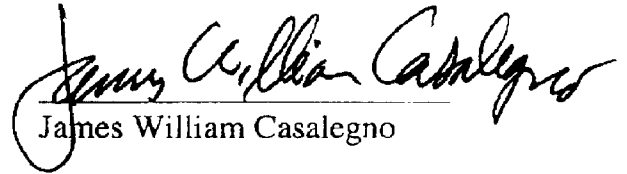
Dated _____

Kirk K. Kohnen


On this _____ day of _____, 2003, before me appeared Kirk K. Kohnen, to me known and known to me as the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public

Dated March 17, 2003

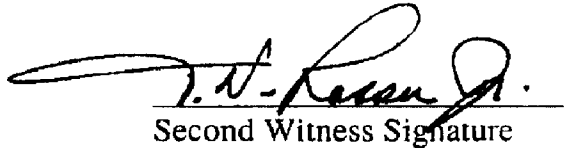

James William Casalegno

First Witness:


First Witness Signature

Robert ALLEN Cupolo
First Witness Printed Name

Second Witness:


Second Witness Signature

T. N. Rosser Jr.
Second Witness Printed Name

PATENT

Filed On: Filed Herewith
Attorney Docket No.: RTN-190PUS

Dated 3-21-03


Frank Philip Monte

First Witness:


First Witness Signature

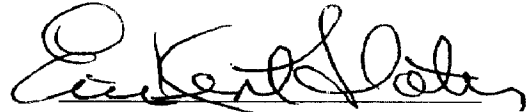
K. P. MANONI
First Witness Printed Name

Second Witness:


Second Witness Signature

Dennis M. Sagamang
Second Witness Printed Name

Dated April 2, 2003

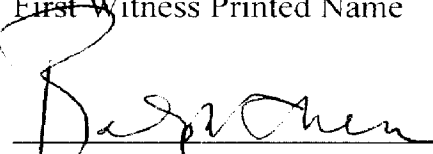

Eric Kent Slater

First Witness:


First Witness Signature

THOMAS ROBERT ROSENBERG
First Witness Printed Name

Second Witness:


Second Witness Signature

RALPH CHEN
Second Witness Printed Name