

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

05-20-2003

U. S. Department of Commerce
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11040 U.S. PTO
10/136728

05/13/03

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- New **5-13-03**
- Resubmission (non-recordation)
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- Correction of PTO Error
Reel _____ Frame _____
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Conveyance Type

- Assignment **10436728**
 - License
 - Merger
 - Security Agreement
 - Change of name
 - Other _____
- U. S. Government*
(For Use ONLY by U. S. Government Agencies)
- Departmental File
 - Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1) Armin W. Doerry

Execution Date
Month Day Year
05-01-2003

Name (line 2) _____

Second Party

Name (line 1) Peter A. Dudley

Execution Date
Month Day Year
05-01-2003

Name (line 2) _____

Receiving Party(ies)

Mark if additional names of receiving parties attached

Name (line 1) Sandia Corporation

Name (line 2) Intellectual Property Center

Address (line 1) MS-0161

Address (line 2) _____

Address (line 3) Albuquerque NM USA

If document to be recorded is an assignment and the receiving party is not domiciled in the U.S., an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
87185-0161
Zip Code

Domestic Representative Name & Address

Enter for the first Receiving Party only

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recording, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent & Trademark Office, Chief Information Officer, Washington, D.C., 20231, and to the Office of Information & Regulatory Affairs, Office of Management & Budget, Paperwork Reduction Project (0651-0027), Washington, D.C., 20503. See OMB Information Collection Budget Package 0651-0027, Patent & Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

05/15/2003 WABDELK1 00000008 10436728 40.00 OP 03 FC:8021

FORM PTO-1619B
Expires 06/30/99
OMB 0651-0027

U. S. Department of Commerce
Patent & Trademark Office
PATENT

Correspondent Name & Address

Area Code & Telephone Number

Name

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Address (line 2)

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Pages

Enter the total number of pages of the attached conveyance document including any attachments

Docket Number(s), 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).

Docket Numbers

Patent Application or Patent Numbers

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

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

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:

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 any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Luis M. Ortiz

Name of Person Signing

Signature

May 13, 2003

Date

Express Mail No. ER 155666895 US

FORM PTO-1619C
Expires 06/30/99
OMB 0651-0027

**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**

U. S. Department of Commerce
Patent & Trademark Office
PATENT

1040 U.S. PTO
10/436728
05/13/03

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Dale F. Dubbert

Execution Date
Month Day Year
05-01-2003

Name (line 2)

Name (line 1) Bertice L. Tise

Execution Date
Month Day Year
05-01-03

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Name (line 1)

If document to be recorded is
An assignment and the
receiving party
is not domiciled in the U.S., an
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representative is attached.
(Designation must be a
separate
document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country

Zip Code

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country

Zip Code

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)

Grid of 15 boxes for Patent Application Number(s)

Grid of 15 boxes for Patent Number(s)

ASSIGNMENT

WHEREAS, **Peter A. Dudley, Armin W. Doerry, Bertice L. Tise of Albuquerque, New Mexico and Dale F. Dubbert of Cedar Crest, New Mexico** has(have) made an invention relating to **Improved Quadrature Waveform Synthesizer** in the course of the work authorized by Contract DE-AC04-94AL85000 between SANDIA CORPORATION and the UNITED STATES DEPARTMENT OF ENERGY, said invention being disclosed and claimed in an application for United States patent, identified as DOE Docket No: **S-102,194** duly executed by said inventors and

WHEREAS Inventor(s), in consideration of employment by Sandia Corporation, has(have) agreed, among other things, to assign to Sandia Corporation, its successors and assigns, all rights to inventions, discoveries, or improvements made or conceived in the course of their employment; and

WHEREAS, the Government of the United States, as represented by the U.S. Department of Energy has granted a waiver of Government rights in the above-identified invention to Sandia Corporation under Class Waiver W(C)93-012; and

THEREFORE, Inventor(s) hereby sells, assigns, and transfers unto Sandia Corporation their entire right, title, and interest in and to said invention and in and to all resulting patents, wherever they may be granted, as well as reissues or extensions of said patents, domestic and foreign,

Inventor(s) covenants with Sandia Corporation that, except for the rights, if any, of the Government, his/her interest in the rights and property herein conveyed is free and clear of any encumbrance and that they have full right to convey the same as herein expressed. They agree, at the request of Sandia corporation, to make, execute, and deliver to Sandia Corporation, the Government, or other party prosecuting patent applications on this invention, any and all papers, documents, affidavits, applications, statements or other instruments relating to said invention, take all rightful oaths and do all acts as may reasonably be required of them in or incident to the prosecution of any or all applications on said invention or in the adjustment or settlement of any interferences or other actions or proceedings that said applications or patents thereon may encounter or in which they may become involved.

Page 2

Signed at Albuquerque, New Mexico.

Attorney Docket No. 1000-1286

**PATENT
REEL: 014072 FRAME: 0875**

Peter A. Dudley
Peter A. Dudley

1 - May 2003
Date

Armin W. Doerry
Armin W. Doerry

5/1/03
Date

Dale F. Dubert
Dale F. Dubert

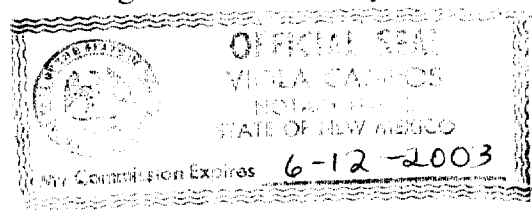
5-01-03
Date

Bertice L. Tise
Bertice L. Tise

5/1/03
Date

STATE OF NEW MEXICO)
) ss:
COUNTY OF BERNALILLO)

On the 1st day of May, personally appeared before me, Notary Public, Viola Campos **Peter A. Dudley, Armin W. Doerry, Dale F. Dubert and Bertice L. Tise**, to me known to be the individual(s) described in and who executed the foregoing instrument, and who acknowledged to me that they executed the same.



Viola Campos
Notary Public

Approved and consented to this 2nd day of May, 2003.

SANDIA CORPORATION
Russell D. Elliott
Russell D. Elliott
Chief IP Counsel
Intellectual Property Center, MS 0161

Attorney Docket No. 1000-1286