

# PATENT ASSIGNMENT

**SUBMISSION TYPE:** NEW ASSIGNMENT

**NATURE OF CONVEYANCE:** ASSIGNMENT OF ASSIGNOR'S INTEREST

## CONVEYING PARTY DATA

**Name:** Ciancaglini, Gene

**Execution Date:** 02/13/2003

**Name:** Lumetta, Steven

**Execution Date:** 02/11/2003

**Name:** Medard, Muriel

**Execution Date:** 02/25/2003

**Name:** Moore, John D.

**Execution Date:** 02/12/2003

**Name:** Parikh, Salil A.

**Execution Date:** 02/12/2003

**Name:** Parquette, Mark R.

**Execution Date:** 02/13/2003

## RECEIVING PARTY DATA

**Name:** Sandial Systems, Inc.

**Street Address:** 222 International Drive

**Internal Address:**

**City:** Portsmouth

**State:** NEW HAMPSHIRE

**Country:**

**Postal Code:** 03802

## PROPERTY NUMBERS

**Application Number:** 09994475

**Number of Properties:** 1

The USPTO, Office of Public Records, will send correspondence via facsimile to **FAX NUMBER:** 7814019966

## CORRESPONDENCE DATA:

**800005474**

**PATENT  
REEL: 013450 FRAME: 0496**

***Correspondence will be sent via US Mail when a fax number***

***has not been provided or the fax attempt is unsuccessful.***

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

**CUSTOMER NUMBER:** 022494

**NAME OF PERSON SIGNING:** Christopher S. Daly

**DATE SIGNED:** 03/03/2003

**Total Attachments:** 4

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## ASSIGNMENT

Whereas we, the undersigned, Gene Ciancaglini, Steven Lumetta, Muriel Medard, John D. Moores, Salil A. Parikh, and Mark R. Parquette, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled MULTIPLE ACCESS PROTOCOL SYSTEM AND RELATED TECHNIQUES FOR MULTI-GIGABIT OPTICAL WAVELENGTH DIVISION MULTIPLEXED LOCAL AREA NETWORKS identified as Attorney Docket No. SAND-002AUS (formerly MAL-002AUS) which application was executed on January 18, 2002, January 11, 2002, January 30, 2002, January 30, 2002, January 14, 2002 and January 18, 2002 and filed on November 26, 2001 and Assigned Application No. 09/994,475. 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, the filing date and/or Application No. of said application.

Whereas, Sandial Systems, Inc., a Delaware Corporation having a place of business at 222 International Drive, Portsmouth, NH 03802, 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 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;

PATENT  
Application No.: 09/994,475  
Filed On: November 26, 2001  
Attorney Docket No.: SAND-002AUS

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 date indicated next to my name.

Dated: 2-13-03

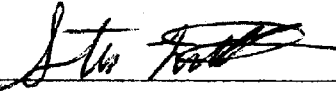
Gene M. Ciancaglini  
Gene Ciancaglini

On this 13<sup>th</sup> day of February, 2003, before me appeared Gene Ciancaglini, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Jennifer A. Kinville  
Notary Public

JENNIFER A. KINVILLE, Notary Public  
My Commission Expires January 23, 2007

Dated: 11 February 2003

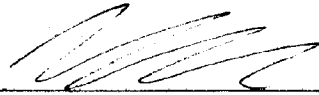
  
Steven Lumetta

On this 11<sup>th</sup> day of February, 2003, before me appeared Steven Lumetta, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

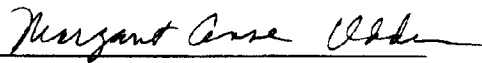


  
Notary Public

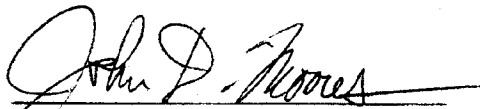
Dated: February 25, 2003

  
Muriel Medard

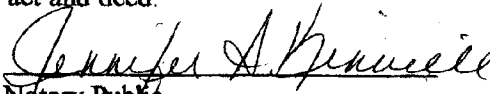
On this \_\_\_\_\_ day of February, 2003, before me appeared Muriel Medard, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

  
Notary Public  
Margaret Anne Udden  
NOTARY PUBLIC  
My commission expires April 4, 2006

Dated: 2/12/2003

  
John D. Moores

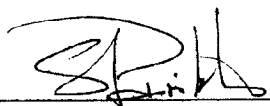
On this 12 day of February, 2003, before me appeared John D. Moores, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

  
Notary Public

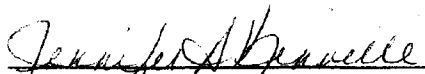
JENNIFER A. KINVILLE, Notary Public  
My Commission Expires January 23, 2007

PATENT  
Application No.: 09/994,475  
Filed On: November 26, 2001  
Attorney Docket No.: SAND-002AUS

Dated: 12 Feb 2003

  
\_\_\_\_\_  
Salil A. Parikh

On this 12th day of February, 2003, before me appeared Salil A. Parikh, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

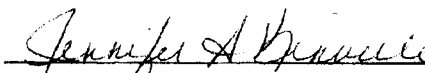
  
\_\_\_\_\_  
Notary Public

JENNIFER A. KINVILLE, Notary Public  
My Commission Expires January 23, 2007

Dated: 13 FEB 2003

  
\_\_\_\_\_  
Mark R. Parquette

On this 13th day of February, 2003, before me appeared Mark R. Parquette, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

  
\_\_\_\_\_  
Notary Public

JENNIFER A. KINVILLE, Notary Public  
My Commission Expires January 23, 2007

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