

**ASSIGNMENT RECORDATION COVER SHEET
-PATENTS ONLY-**

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)

- a) Behrooz REZVANI
- b) George GINIS

2. Name and address of receiving party(ies):

- a) Name: IKANOS Communication, Inc.
Address: 47709 Fremont Boulevard
Fremont, CA 94538

3. Nature of conveyance

- | | | | |
|-------------------------------------|--------------------|--------------------------|-------------------|
| <input checked="" type="checkbox"/> | Assignment | <input type="checkbox"/> | Merger |
| <input type="checkbox"/> | Security Agreement | <input type="checkbox"/> | Change of Name |
| <input type="checkbox"/> | Other _____ | <input type="checkbox"/> | License Agreement |

Execution Date: April 16, 2002

4. Application Number(s) or Patent Number(s): **10/095,618**

Filed: **March 11, 2002**

The title of the (new) application is: **METHOD AND APPARATUS FOR TIME-FREQUENCY
DOMAIN FORWARD ERROR CORRECTION FOR DIGITAL COMMUNICATION SYSTEMS**

5. Please send all correspondence concerning this (these) documents to:

Customer Number 28436

CARY & KELLY, LLP
1875 Charleston Road
Mountain View, CA, 94043
Telephone (650) 316-4011

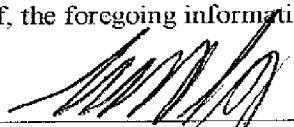
6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☐ Enclosed
- ☒ The Commissioner is hereby authorized to charge the above fees and any overpayments or credits to Deposit Account No. 50-1338 (Order No. VELCP028)

8. 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.

Date: May 14, 2002



Charles C. Cary
Registration No. 36,764

ASSIGNMENT OF PATENT APPLICATION

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

METHOD AND APPARATUS FOR TIME-FREQUENCY DOMAIN FORWARD ERROR CORRECTION FOR DIGITAL COMMUNICATION SYSTEMS

(Atty. Docket No.: **VELCP028**) for which I (we) have executed an application for a United States Letters Patent filed on **March 11, 2002** and allocated USSN **10/095,618**.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to **IKANOS COMMUNICATIONS, INC.**, a **California** corporation having a place of business at **47709 Fremont Boulevard, Fremont, CA 94538**, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Assignors hereby grant assignee or assignee's designee the right to insert the U.S. Patent Application number and filing date where space is provided above at any time subsequent to the date of the assignor's signature below.

Signed on the date(s) indicated beside my (our) signature(s).

1. Inventor Signature: _____

Behrooz REZVANI

Date: 4/16/02

State of California)

County of Alameda)

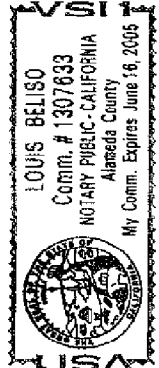
ss.

On this 16 day of April, in the year 2002, before me, Louis Beliso, Notary, personally appeared **Behrooz REZVANI**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

(SEAL)



2. Inventor Signature: _____

George GINIS

Date: 4/16/02

State of California)

County of Alameda)

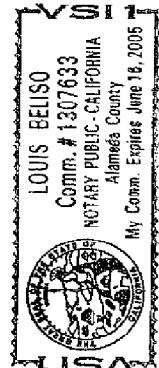
ss.

On this 16 day of April, in the year 2002, before me, Louis Beliso, Notary, personally appeared **George GINIS**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

(SEAL)



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Alameda } ss.On April 16, 2002, before me, Louis Beliso, Notary

Date

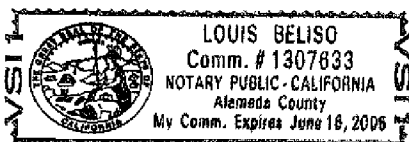
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared BEHZOOR REZVANI AND GEORGE GIRLS

Name(s) of Signer(s)

☐ I personally known to me☒ I 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.

Place Notary Seal Above

Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer

Signer's Name: _____

- ☐ Individual
- ☐ Corporate Officer — Title(s): _____
- ☐ Partner — ☐ Limited ☐ General
- ☐ Attorney in Fact
- ☐ Trustee
- ☐ Guardian or Conservator
- ☐ Other: _____

Signer Is Representing: _____

**RIGHT THUMBPRINT
OF SIGNER**

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