

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BEHROOZ REZVANI	04/11/2001
SAM HEIDARI	04/11/2001
DALE SMITH	04/11/2001
REUVEN SEGEV	04/11/2001
RECEIVING PARTY DATA	
Name:	IKANOS COMMUNICATIONS, INC.
Street Address:	47709 FREMONT BLVD.
City:	FREMONT
State/Country:	CALIFORNIA
Postal Code:	94538
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	7075998
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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NAME OF SUBMITTER:	BRETT T. WALKER
SIGNATURE:	/Brett T. Walker/
DATE SIGNED:	11/02/2015
Total Attachments: 2	
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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 SYMMETRICAL DMT X-DSL COMMUNICATIONS

(Atty. Docket No.: **VELCP009C**) for which I (we) have executed an application for a United States Letters Patent filing date of February 7, 2001 and USSN 09/779,788.

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.

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

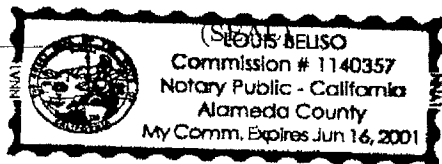
1. **Inventor Signature:** *Behrooz Rezvani* Date: 4/11/01
Behrooz Rezvani

State of California)
County of Alameda) ss.

On this 11 day of April, in the year 2001, before me, Louis Beliso, 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 *Louis Beliso*



2. Inventor Signature: Sam Heidari

Date: 4/11/2001

State of California)
County of Alameda) ss.

On this 11 day of April, in the year 2001, before me, Louis Beliso, personally appeared **Sam Heidari**, 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 Louis Beliso (SEAL)

3. Inventor Signature: Dale L. Smith
Dale Smith

Date: 4/11/01

State of California)
County of Alameda) ss.

On this 11 day of April, in the year 2001, before me, Louis Beliso, personally appeared **Dale Smith**, 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 Louis Beliso (SEAL)

4. Inventor Signature: Reuven Segev
Reuven Segev

Date: 4-11-2001

State of California)
County of Alameda) ss.

On this 11 day of April, in the year 2001, before me, Louis Beliso, personally appeared **Reuven Segev**, 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 Louis Beliso (SEAL)

