

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT3595460

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROUBEN TOUMANI	11/20/2001
ROBERT A. BLAUSCHILD	11/20/2001
SANJAY M. BHANDARI	11/20/2001
BEHROOZ REZVANI	11/20/2001
DALE SMITH	11/20/2001
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:	6987851
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>	
Email:	btwalker@qualcomm.com
Correspondent Name:	QUALCOMM INCORPORATED
Address Line 1:	5775 MOREHOUSE DRIVE
Address Line 4:	SAN DIEGO, CALIFORNIA 92121
NAME OF SUBMITTER:	BRETT T. WALKER
SIGNATURE:	/Brett T. Walker/
DATE SIGNED:	10/30/2015
Total Attachments: 4	
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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 A HIGH EFFICIENCY LINE DRIVER

(Atty. Docket No.: VELCP021) for which I (we) have executed an application for a United States Letters Patent filed on September 24, 2001 and allocated USSN 09/962,490.

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: R. Toumani

Rouben TOUMANI

Date: Nov 20, 2001

State of California)

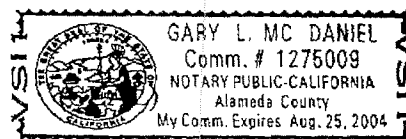
) ss.

County of Alameda)

On this 20 day of Nov, in the year 2001, before me, GARY L. MCDANIEL, personally appeared **Rouben TOUMANI**, 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 Gary L. McDaniel



2. Inventor Signature: Robert A. Blauschild

Robert A. BLAUSCHILD

Date: 11/20/01

State of California)

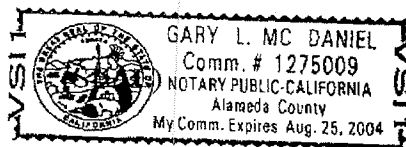
) ss.

County of Alameda)

On this 20 day of Nov, in the year 2001, before me, Gary L. McDaniel, personally appeared **Robert A. BLAUSCHILD**, 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 Gary L. McDaniel



3. Inventor Signature: Sanjay M. Bhandari

Sanjay M. BHANDARI

Date: 11/20/01

State of California)

) ss.

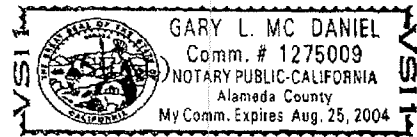
County of Alameda)

On this 20 day of Nov, in the year 2001, before me, Gary L. McDaniel, personally appeared **Sanjay M. BHANDARI**, 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 Gary L. McDaniel



4. Inventor Signature: Behrooz REZVANI

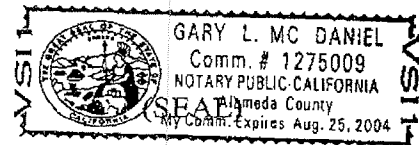
Date: 11/20/01

State of California)
County of Alameda) ss.

On this 20 day of Nov, in the year 2001, before me, Gary L. McDaniel, 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 Gary L. McDaniel



5. Inventor Signature: Dale L. Smith
Dale SMITH

Date: 11/20/01

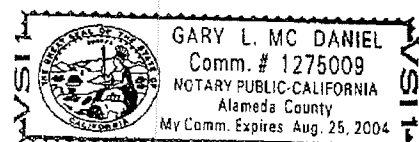
State of California)
County of ALAMEDA) ss.

On this 20 day of Nov, in the year 2001, before me, Gary L. McDaniel, 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 Gary L. McDaniel

(SEAL)



PTO/SB/97 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Serial No. 09/962,490 Filing Date 24-Sep-01 Docket # VELCP021
Inventor(s) Rouben TOUMANI et al.
Invention METHOD AND APPARATUS FOR A HIGH EFFICIENCY LINE DRIVER

Certificate of Transmission under 37 CFR 1.8

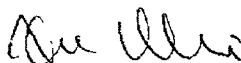
☒ Assignment with Recordation Cover Sheet

☐ Affidavit

I hereby certify that the above marked items are being facsimile transmitted to the
United States Patent and Trademark Office to:

(Fax. No. 703-306-5995)

on 21-Nov-01
Date



Signature

Susan W. Xu for Charles C. Cary, Reg. No. 36,764

Typed or printed name of person signing Certificate

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RECORDED: 11/21/2001

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