

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sigurd SCHELSTRAETE</td> <td>07/01/2010</td> </tr> <tr> <td>Qasem ALDRUBI</td> <td>07/01/2010</td> </tr> <tr> <td>Hossein DEHGHAN-FARD</td> <td>07/01/2010</td> </tr> </tbody> </table>		Name	Execution Date	Sigurd SCHELSTRAETE	07/01/2010	Qasem ALDRUBI	07/01/2010	Hossein DEHGHAN-FARD	07/01/2010		
Name	Execution Date										
Sigurd SCHELSTRAETE	07/01/2010										
Qasem ALDRUBI	07/01/2010										
Hossein DEHGHAN-FARD	07/01/2010										
<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Ikanos Communications Inc.</td> </tr> <tr> <td>Street Address:</td> <td>47669 Fremont Boulevard</td> </tr> <tr> <td>City:</td> <td>Fremont</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94538</td> </tr> </table>		Name:	Ikanos Communications Inc.	Street Address:	47669 Fremont Boulevard	City:	Fremont	State/Country:	CALIFORNIA	Postal Code:	94538
Name:	Ikanos Communications Inc.										
Street Address:	47669 Fremont Boulevard										
City:	Fremont										
State/Country:	CALIFORNIA										
Postal Code:	94538										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12799607</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12799607						
Property Type	Number										
Application Number:	12799607										
<b>CORRESPONDENCE DATA</b>											
Fax Number: (408)850-9585 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 4088509585 Email: CCCARY@IPCREATORS.COM Correspondent Name: IP CREATORS Address Line 1: P. O. BOX 2789 Address Line 4: CUPERTINO, CALIFORNIA 95015											
ATTORNEY DOCKET NUMBER:	VELCP092										
NAME OF SUBMITTER:	Charles C Cary										
Total Attachments: 3 source=VELCP092_Assignment_Signed&Notarized#page1.tif source=VELCP092_Assignment_Signed&Notarized#page2.tif											

OP \$40.00 12799607

**501224973**

**PATENT**  
**REEL: 024642 FRAME: 0231**



## 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 OPTIMIZING DYNAMIC RANGE IN DMT MODEMS

(Atty. Docket No.: VELCP092) for which I (we) have executed an application for a United States Letters Patent filed April 27, 2010 and allocated USSN 12/799,607

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 47669 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: \_\_\_\_\_

Date: 7/1/2010

Sigurd SCHELSTRAETE

State of California

County of Alameda

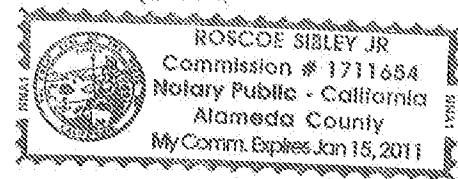
On 7/1/2010 before me, Roscoe Sibley, Jr. - Notary Public, personally appeared Sigurd SCHELSTRAETE, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Signature \_\_\_\_\_

(SEAL)



2. Inventor Signature: \_\_\_\_\_

Date: 7/1/10

Qasem ALDRUBI

State of California

County of Alameda

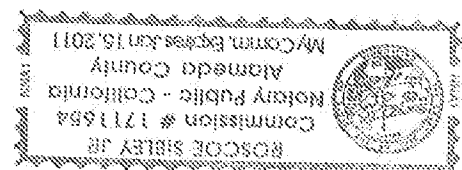
On 7/1/2010 before me, Roscoe Sibley, Jr. - Notary Public, personally appeared Qasem ALDRUBI, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Signature \_\_\_\_\_

(SEAL)



3. Inventor Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Hossein DEHGHAN-FARD

State of California

County of Alameda

On 7/1/2010 before me, Roscoe Sibley, Jr. <sup>Notary Public</sup> personally appeared Hossein DEHGHAN-FARD, who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Signature \_\_\_\_\_

(SEAL)

