

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3912483

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DARREN BRADLEY HUTCHINSON	01/25/2006
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	IKANOS COMMUNICATIONS, INC.
<b>Street Address:</b>	67449 FREMONT BOULEVARD
<b>City:</b>	FREMONT
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94538
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	8780686
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Email:</b>	btwalker@qualcomm.com
<b>Correspondent Name:</b>	QUALCOMM INCORPORATED
<b>Address Line 1:</b>	5775 MOREHOUSE DRIVE
<b>Address Line 4:</b>	SAN DIEGO, CALIFORNIA 92121
<b>NAME OF SUBMITTER:</b>	BRETT T. WALKER
<b>SIGNATURE:</b>	/Brett T. Walker/
<b>DATE SIGNED:</b>	06/10/2016
<b>Total Attachments: 5</b>	
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**IKANOS COMMUNICATIONS  
EMPLOYMENT, CONFIDENTIAL INFORMATION,  
INVENTION ASSIGNMENT,  
AND ARBITRATION AGREEMENT**

As a condition of my employment with **Ikanos Communications**, its subsidiaries, affiliates, successors or assigns (together the "Company"), and in consideration of my employment with the Company and my receipt of the compensation now and hereafter paid to me by Company, I agree to the following:

1. *At-Will Employment.* I UNDERSTAND AND ACKNOWLEDGE THAT MY EMPLOYMENT WITH THE COMPANY IS FOR AN UNSPECIFIED DURATION AND CONSTITUTES "AT-WILL" EMPLOYMENT. I ALSO UNDERSTAND THAT ANY REPRESENTATION TO THE CONTRARY IS UNAUTHORIZED AND NOT VALID UNLESS OBTAINED IN WRITING AND SIGNED BY THE PRESIDENT OF THE COMPANY. I ACKNOWLEDGE THAT THIS EMPLOYMENT RELATIONSHIP MAY BE TERMINATED AT ANY TIME, WITH OR WITHOUT GOOD CAUSE OR FOR ANY OR NO CAUSE, AT THE OPTION EITHER OF THE COMPANY OR MYSELF, WITH OR WITHOUT NOTICE.

2. *Confidential Information.*

A. *Company Information.* I agree at all times during the term of my employment and thereafter, to hold in strictest confidence, and not to use, except for the benefit of the Company, or to disclose to any person, firm or corporation without written authorization of the Board of Directors of the Company, any Confidential Information of the Company, except under a non-disclosure agreement duly authorized and executed by the Company. I understand that "Confidential Information" means any non-public information that relates to the actual or anticipated business or research and development of the Company, technical data, trade secrets or know-how, including, but not limited to, research, product plans or other information regarding Company's products or services and markets therefor, customer lists and customers (including, but not limited to, customers of the Company on whom I called or with whom I became acquainted during the term of my employment), software, developments, inventions, processes, formulas, technology, designs, drawings, engineering, hardware configuration information, marketing, finances or other business information. I further understand that Confidential Information does not include any of the foregoing items which have become publicly known and made generally available through no wrongful act of mine or of others who were under confidentiality obligations as to the item or items involved or improvements or new versions thereof.

B. *Former Employer Information.* I agree that I will not, during my employment with the Company, improperly use or disclose any proprietary information or trade secrets of any former or concurrent employer or other person or entity and that I will not bring onto the premises of the Company any unpublished document or proprietary information belonging to any such employer, person or entity unless consented to in writing by such employer, person or entity.

C. *Third Party Information.* I recognize that the Company has received and in the future will receive from third parties their confidential or proprietary information subject to a duty on the Company's part to maintain the confidentiality of such information and to use it only for certain limited purposes. I agree to hold all such confidential or proprietary information in the strictest confidence and not to disclose it to any person, firm or corporation or to use it except as necessary in carrying out my work for the Company consistent with the Company's agreement with such third party.

3. *Inventions.*

A. *Inventions Retained and Licensed.* I have attached hereto, as Exhibit A, a list describing all inventions, original works of authorship, developments, improvements, and trade secrets which were made by me prior to my employment with the Company (collectively referred to as "Prior Inventions"), which belong to me, which relate to the Company's proposed business, products or research and development, and which are not assigned to the Company hereunder; or, if no such list is attached, I represent that there are no such Prior Inventions. If in the course of my employment with the Company, I incorporate into a Company product, process or service a Prior Invention owned by me or in which I have an interest, I hereby grant to the Company a nonexclusive, royalty-free, fully paid-up, irrevocable, perpetual, worldwide license to make, have made, modify, use and sell such Prior Invention as part of or in connection with such product, process or service, and to practice any method related thereto.

B. *Assignment of Inventions.* I agree that I will promptly make full written disclosure to the Company, will hold in trust for the sole right and benefit of the Company, and hereby assign to the Company, or its designee, all my right, title, and interest in and to any and all inventions, original works of authorship, developments, concepts, improvements, designs, discoveries, ideas, trademarks or trade secrets, whether or not patentable or registrable under copyright or similar laws, which I may solely or jointly conceive or develop or reduce to practice, or cause to be conceived or developed or reduced to practice, during the period of time I am in the employ of the Company (collectively referred to as "Inventions"), except as provided in **Section 3.F** below. I further acknowledge that all original works of authorship which are made by me (solely or jointly with others) within the scope of and during the period of my employment with the Company and which are protectible by copyright are "works made for hire," as that term is defined in the United States Copyright Act. I understand and agree that the decision whether or not to commercialize or market any invention developed by me solely or jointly with others is within the Company's sole discretion and for the Company's sole benefit and that no royalty will be due to me as a result of the Company's efforts to commercialize or market any such invention.

C. *Inventions Assigned to the United States.* I agree to assign to the United States government all my right, title, and interest in and to any and all Inventions whenever such full title is required to be in the United States by a contract between the Company and the United States or any of its agencies.

D. *Maintenance of Records.* I agree to keep and maintain adequate and current written records of all Inventions made by me (solely or jointly with others) during the term of my employment with the Company. The records will be in the form of notes, sketches, drawings, and any other format that may be specified by the Company. The records will be available to and remain the sole property of the Company at all times.

E. *Patent and Copyright Registrations.* I agree to assist the Company, or its designee, at the Company's expense, in every proper way to secure the Company's rights in the Inventions and any copyrights, patents, mask work rights or other intellectual property rights relating thereto in any and all countries, including the disclosure to the Company of all pertinent information and data with respect thereto, the execution of all applications, specifications, oaths, assignments and all other instruments which the Company shall deem necessary in order to apply for and obtain such rights and in order to assign and convey to the Company, its successors, assigns, and nominees the sole and exclusive rights, title and interest in and to such Inventions, and any copyrights, patents, mask work rights or other intellectual property rights relating thereto. I further agree that my obligation to execute or cause to be executed, when it is in my power to do so, any such instrument or papers shall continue after the termination of this Agreement. If the Company is unable because of my mental or physical incapacity or for any other reason to secure my signature to apply for or to pursue any application for any United States or foreign patents or copyright registrations covering Inventions or original works of authorship assigned to the Company as above, then I hereby irrevocably designate and appoint the Company and its duly authorized officers and agents as my agent and attorney in fact, to act for and in my behalf and stead to execute and file any such applications and to do all other lawfully permitted acts to further the prosecution and issuance of letters patent or copyright registrations thereon with the same legal force and effect as if executed by me.

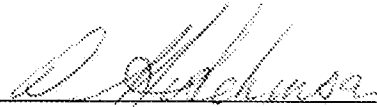
F. *Exception to Assignments.* I understand that the provisions of this Agreement requiring assignment of Inventions to the Company do not apply to any invention which qualifies fully under the provisions of California Labor Code Section 2870 (attached hereto as Exhibit B). I will advise the Company promptly in writing of any inventions that I believe meet the criteria in California Labor Code Section 2870 and not otherwise disclosed on Exhibit A.

4. *Conflicting Employment.* I agree that, during the term of my employment with the Company, I will not engage in any other employment, occupation or consulting directly related to the business in which the Company is now involved or becomes involved during the term of my employment, nor will I engage in any other activities that conflict with my obligations to the Company.

5. *Returning Company Documents.* I agree that, at the time of leaving the employ of the Company, I will deliver to the Company (and will not keep in my possession, recreate or deliver to anyone else) any and all devices, records, data, notes, reports, proposals, lists, correspondence, specifications, drawings blueprints, sketches, materials, equipment, other documents or property, or reproductions of any aforementioned items developed by me pursuant to my employment with the Company or otherwise belonging to the Company, its successors or assigns, including, without

D. *Successors and Assigns.* This Agreement will be binding upon my heirs, executors, administrators and other legal representatives and will be for the benefit of the Company, its successors, and its assigns.

Date: 25 JAN 2006

  
\_\_\_\_\_  
Signature

DARREN HUTCHINSON  
\_\_\_\_\_  
Name of Employee (typed or printed)


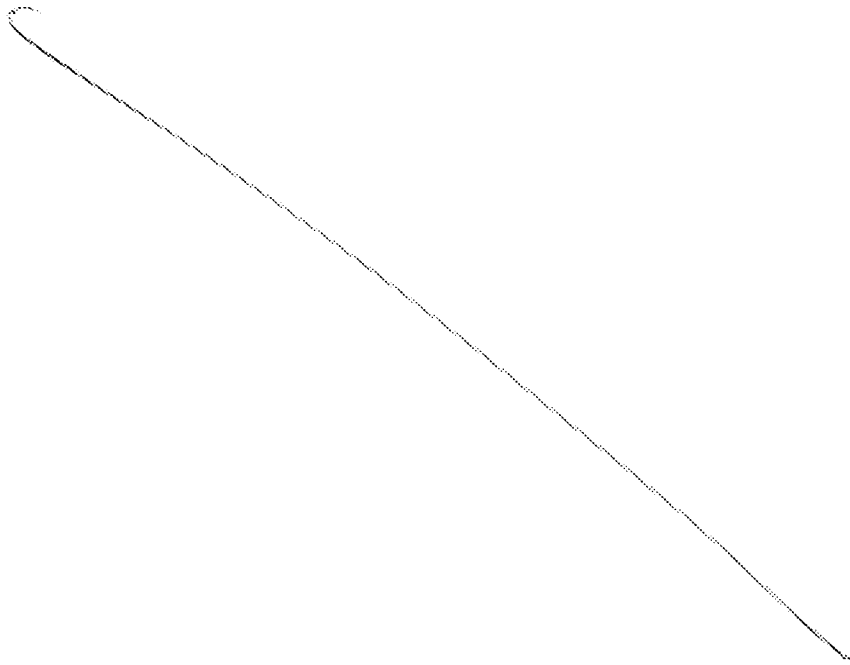
Witness  
  
\_\_\_\_\_  
Signature  
RACHEL E. HAAS  
\_\_\_\_\_  
Name of Witness (typed or printed)

Exhibit A

**LIST OF PRIOR INVENTIONS  
AND ORIGINAL WORKS OF AUTHORSHIP**


Title	Date	Identifying Number or Brief Description
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No inventions or improvements

Additional Sheets Attached

Signature of Employee: 

Print Name of Employee: DARREN HUTCHINGS

Date: 2/21/2006