

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignee's name previously recorded on Reel 024589 Frame 0795. Assignor(s) hereby confirms the Assignee's name is Ocarina Networks, Inc.
CONVEYING PARTY DATA	
Name	Execution Date
Goutham Rao	07/12/2010
Eric Brueggemann	07/09/2010
Murali Bashyam	07/12/2010
Carter George	07/12/2010
Mark Taylor	07/12/2010
RECEIVING PARTY DATA	
Name:	Ocarina Networks, Inc.
Street Address:	42 Airport Parkway
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95110
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12038219
CORRESPONDENCE DATA	
Fax Number:	(510)663-0920
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	510-663-1100
Email:	lervin@wavsip.com
Correspondent Name:	Weaver Austin Villeneuve & Sampson LLP
Address Line 1:	P.O. Box 70250
Address Line 4:	Oakland, CALIFORNIA 94612-0250
ATTORNEY DOCKET NUMBER:	OCARP001
NAME OF SUBMITTER:	G. Audrey Kwan

CH \$40.00 12038219

501235403

PATENT
REEL: 024700 FRAME: 0036

Total Attachments: 6

source=OCARP001_Assignment_Executed_Rev#page1.tif

source=OCARP001_Assignment_Executed_Rev#page2.tif

source=OCARP001_Assignment_Executed_Rev#page3.tif

source=OCARP001_Assignment_Executed_Rev#page4.tif

source=OCARP001_Assignment_Executed_Rev#page5.tif

source=OCARP001_Assignment_Executed_Rev#page6.tif

):AUDREY KWAN/WAVS IP COMPANY:P.O. BOX 70250

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.106/24/2010
501214866

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Goutham Rao</td> <td>02/06/2008</td> </tr> <tr> <td>Eric Brueggemann</td> <td>02/06/2008</td> </tr> <tr> <td>Murali Bashyam</td> <td>02/06/2008</td> </tr> <tr> <td>Carter George</td> <td>02/07/2008</td> </tr> <tr> <td>Mark Taylor</td> <td>02/06/2008</td> </tr> </tbody> </table>		Name	Execution Date	Goutham Rao	02/06/2008	Eric Brueggemann	02/06/2008	Murali Bashyam	02/06/2008	Carter George	02/07/2008	Mark Taylor	02/06/2008
Name	Execution Date												
Goutham Rao	02/06/2008												
Eric Brueggemann	02/06/2008												
Murali Bashyam	02/06/2008												
Carter George	02/07/2008												
Mark Taylor	02/06/2008												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Ocarina Networks</td> </tr> <tr> <td>Street Address:</td> <td>42 Airport Parkway</td> </tr> <tr> <td>City:</td> <td>SAN JOSE</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95110</td> </tr> </table>		Name:	Ocarina Networks	Street Address:	42 Airport Parkway	City:	SAN JOSE	State/Country:	CALIFORNIA	Postal Code:	95110		
Name:	Ocarina Networks												
Street Address:	42 Airport Parkway												
City:	SAN JOSE												
State/Country:	CALIFORNIA												
Postal Code:	95110												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12038219</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12038219								
Property Type	Number												
Application Number:	12038219												
CORRESPONDENCE DATA													
<p>Fax Number: (510)663-0920 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 5108631100 Email: lervin@wavsip.com Correspondent Name: Audrey Kwan/WAVS IP Address Line 1: P.O. Box 70250 Address Line 4: Oakland, CALIFORNIA 94612-0250</p>													
ATTORNEY DOCKET NUMBER:	OCARP001												
NAME OF SUBMITTER:	G. Audrey Kwan												

RECEIVED 06/24/10 09:05:15 AM

):AUDREY KWAN/WAVS IP COMPANY:P.O. BOX 70250

Total Attachments: 2

source=OCARP001_Assignment#page1.tif

source=OCARP001_Assignment#page2.tif

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

VIRTUALIZATION OF METADATA FOR FILE OPTIMIZATION

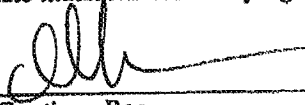
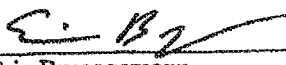
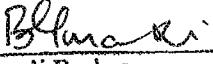
(Atty. Docket No. OCARP001), (check one)

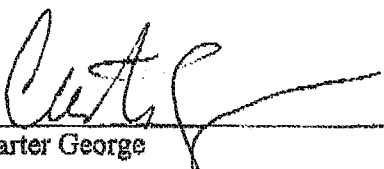
- for which I have executed a U.S. patent application on even date herewith. (Accompanying)
 which bears U.S. application No. 12/038,219. (Not accompanying)
 which is a U.S. provisional application. (Accompanying)

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

- 1) Sell, assign and transfer to Ocarina Networks, Inc., a Delaware corporation having a place of business at 42 Airport Parkway, San Jose, CA 95110 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue 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 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 representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

- | | | |
|----|---|---------------------------|
| 1) | Signature: <u></u> | Date: <u>7/12/10</u> |
| | Typed Name: Goutham Rao | |
| 2) | Signature: <u></u> | Date: <u>July 9, 2010</u> |
| | Typed Name: Eric Brueggemann | |
| 3) | Signature: <u></u> | Date: <u>7/12/2010</u> |
| | Typed Name: Murali Bashyam | |

4) Signature: 
Typed Name: Carter George

Date: 18 July 2010

5) Signature: 
Typed Name: Mark Taylor

Date: 7/12/2010