

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>Daryoosh Vakhshoori</td><td>11/09/2007</td></tr><tr><td>Kevin J. Knopp</td><td>11/14/2007</td></tr><tr><td>Peidong Wang</td><td>11/09/2007</td></tr><tr><td>Masud Azimi</td><td>11/07/2007</td></tr></tbody></table> | | Name | Execution Date | Daryoosh Vakhshoori | 11/09/2007 | Kevin J. Knopp | 11/14/2007 | Peidong Wang | 11/09/2007 | Masud Azimi | 11/07/2007 |
| Name | Execution Date | | | | | | | | | | |
| Daryoosh Vakhshoori | 11/09/2007 | | | | | | | | | | |
| Kevin J. Knopp | 11/14/2007 | | | | | | | | | | |
| Peidong Wang | 11/09/2007 | | | | | | | | | | |
| Masud Azimi | 11/07/2007 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"><tr><td>Name:</td><td>Ahura Corporation</td></tr><tr><td>Street Address:</td><td>46 Jonspin Road</td></tr><tr><td>City:</td><td>Wilmington</td></tr><tr><td>State/Country:</td><td>MASSACHUSETTS</td></tr><tr><td>Postal Code:</td><td>01887</td></tr></table> | | Name: | Ahura Corporation | Street Address: | 46 Jonspin Road | City: | Wilmington | State/Country: | MASSACHUSETTS | Postal Code: | 01887 |
| Name: | Ahura Corporation | | | | | | | | | | |
| Street Address: | 46 Jonspin Road | | | | | | | | | | |
| City: | Wilmington | | | | | | | | | | |
| State/Country: | MASSACHUSETTS | | | | | | | | | | |
| Postal Code: | 01887 | | | | | | | | | | |
| 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>10800206</td></tr></tbody></table> | | Property Type | Number | Application Number: | 10800206 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 10800206 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: (877)769-7945 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | |
| Phone: (617) 521-7857 | | | | | | | | | | | |
| Email: forrest@fr.com | | | | | | | | | | | |
| Correspondent Name: Marc M. Wefers | | | | | | | | | | | |
| Address Line 1: FISH & RICHARDSON P.C. | | | | | | | | | | | |
| Address Line 2: P.O.BOX 1022 | | | | | | | | | | | |
| Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022 | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 22561-009001 | | | | | | | | | | |
| NAME OF SUBMITTER: | Cheryl A. Forrest | | | | | | | | | | |
| Total Attachments: 5 | | | | | | | | | | | |

CH \$40.00 10800206

500400376

PATENT
REEL: 020122 FRAME: 0229

source=22561009001assignment#page1.tif
source=22561009001assignment#page2.tif
source=22561009001assignment#page3.tif
source=22561009001assignment#page4.tif
source=22561009001assignment#page5.tif

ASSIGNMENT

For valuable consideration, we, Daryoosh Vakhshoori, of 10 Rodgers Street , #205, Cambridge, MA 02142; Kevin J. Knopp, of 55 Curzon's Mill Road, Newburyport, MA 01950; Peidong Wang, of 225 Davis Road, Carlisle, MA 01741; Masud Azimi, of 101 Fletcher Road, Belmont, MA 02478; hereby assign to AHURA CORPORATION, a corporation of Delaware, having a place of business at 46 Jonspin Road, Wilmington, MA 01887, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled EXTENDED OPTICAL BANDWIDTH SEMICONDUCTOR SOURCE, filed March 12, 2004 , and assigned U.S. Serial Number 10/800,206 , this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: 11/9/2007

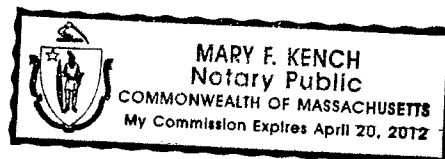
DARYOOSH VAKHSHOORI

STATE OF Massachusetts)
COUNTY OF Middlesex) SS.

On 11/9/2007, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared DARYOOSH VAKHSHOORI personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Mary F. Kench
Notary Public



DATE: 11/14/07

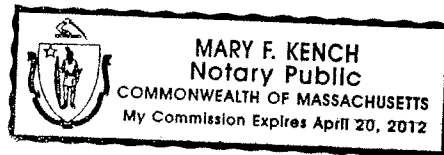
[Signature]
KEVIN J. KNOPP

STATE OF Massachusetts)
) SS.
COUNTY OF Middlesex)

On 11/14/07, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared KEVIN J. KNOPP personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

[Signature]
Notary Public



DATE:

11/9/2007

PEIDONG WANG

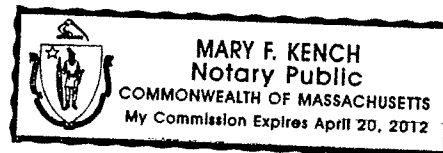
[Signature of Peidong Wang]

STATE OF Massachusetts)
) SS.
COUNTY OF Middlesex)

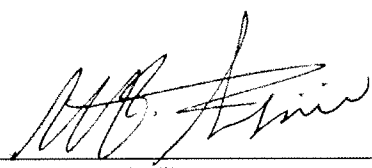
On 11/9/2007, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared PEIDONG WANG personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.


[Signature of Mary F. Kench]
Notary Public



DATE: 11/07/07

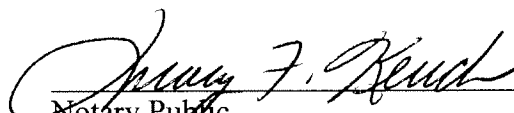


MASUD AZIMI

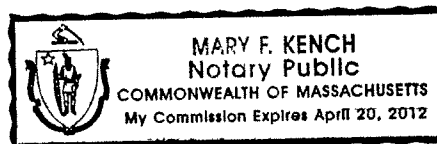
STATE OF MASSACHUSETTS) 
COUNTY OF MIDDLESEX) SS.

On 11/07/07, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared MASUD AZIMI personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.



Notary Public



21763037.doc