

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael A. Robinson</td> <td>12/03/2008</td> </tr> <tr> <td>Laura Giovane</td> <td>12/02/2008</td> </tr> <tr> <td>An-Nien Cheng</td> <td>12/02/2008</td> </tr> </tbody> </table>		Name	Execution Date	Michael A. Robinson	12/03/2008	Laura Giovane	12/02/2008	An-Nien Cheng	12/02/2008
Name	Execution Date								
Michael A. Robinson	12/03/2008								
Laura Giovane	12/02/2008								
An-Nien Cheng	12/02/2008								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	Avago Technologies Fiber IP (Singapore) Pte. Ltd.								
<b>Street Address:</b>	No. 1 Yishun Avenue 7								
<b>City:</b>	Singapore								
<b>State/Country:</b>	SINGAPORE								
<b>Postal Code:</b>	768923								
<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>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12277625</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12277625				
Property Type	Number								
Application Number:	12277625								
<b>CORRESPONDENCE DATA</b>									
Fax Number:	(770)804-0900								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	970-288-0747								
Email:	dsantos@lavagrouplaw.com								
Correspondent Name:	Scott Weitzel								
Address Line 1:	4380 Ziegler Road								
Address Line 4:	Fort Collins, COLORADO 80525								
<b>ATTORNEY DOCKET NUMBER:</b>	2008-028USORG								
<b>NAME OF SUBMITTER:</b>	Daniel J. Santos								
<p>Total Attachments: 4          source=AssingmentFiled#page1.tif          source=AssingmentFiled#page2.tif</p>									

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When recorded please return to:

PATENT APPLICATION

AVAGO TECHNOLOGIES, LTD.  
P.O. Box 1920  
Denver, Colorado 80201-1920

ATTORNEY DOCKET NO. 2008-028USORG

ASSIGNMENT OF PATENT APPLICATION TO AVAGO TECHNOLOGIES  
FIBER IP (SINGAPORE) PTE. LTD.

I/We the undersigned (each) have agreed and hereby agree to assign to Avago Technologies Fiber IP (Singapore) Pte. Ltd. (Company Registration No. 200512342D), a company incorporated under the laws of Singapore whose registered office is at No. 1 Yishun Avenue 7, Singapore 768923 (hereinafter AVAGO), in furtherance of my/our obligations to AVAGO, and do hereby assign and transfer to AVAGO, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

**A MONITORING METHOD AND DEVICE FOR MONITORING A FORWARD VOLTAGE OF A LASER DIODE IN A LASER DIODE DRIVER INTEGRATED CIRCUIT (IC)**

Filing date: \_\_\_\_\_

Serial No.: \_\_\_\_\_

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patents.

I/We additionally authorize AVAGO to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by AVAGO, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to AVAGO, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to AVAGO, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patents, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid AVAGO, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by AVAGO;

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to AVAGO, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct AVAGO attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

  
\_\_\_\_\_  
Inventor's Signature (Seal)

Date Assignment Signed: Dec 3, 2008

Inventor's Typed Name: Robinson, Michael A.

Date Application Signed:

State of CA )  
County of Santa Clara ) ss.:

*please see attached California  
All-Purpose Acknowledgement*

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

\_\_\_\_\_  
Notary Public  
My commission expires:

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Laura Giovane  
Inventor's Signature (Seal)

Date Assignment Signed: Dec. 02, 2008

Inventor's Typed Name: Giovane, Laura

Date Application Signed:

State of California )  
County of Santa Clara ) ss.:

pls see document attached

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

\_\_\_\_\_  
Notary Public  
My commission expires:

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

An-Nien Cheng  
Inventor's Signature (Seal)

Date Assignment Signed: Dec 02, 2008

Inventor's Typed Name: Cheng, An-Nien

Date Application Signed:

State of CA )  
County of Santa Clara ) ss.:

pls see document attached  
(California All-Purpose Acknowledge Form)

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

\_\_\_\_\_  
Notary Public  
My commission expires:

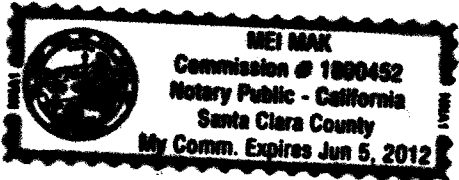
**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California }  
 County of Santa Clara }  
 On Dec 02 '08 before me, Mei Mak, Notary Public  
Date Here Insert Name and Title of the Officer  
 personally appeared Laura Marie Giovane & Annien Cheng  
Name(s) of Signer(s)

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.



Place Notary Seal Above

Signature [Handwritten Signature]  
Signature of Notary Public

**OPTIONAL**

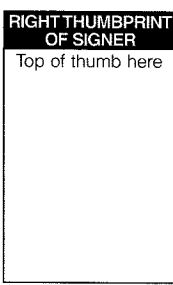
*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

Title or Type of Document: Assignment of Patent Application to Avago Technologies  
 Document Date: \_\_\_\_\_ Number of Pages: 2  
 Signer(s) Other Than Named Above: Cheng, An-Nien and Michael Robinson

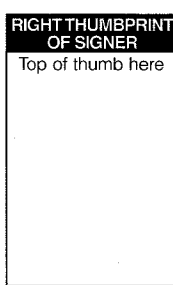
**Capacity(ies) Claimed by Signer(s)**

Signer's Name: Laurie Marie Giovane  
 Individual  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Attorney in Fact  
 Trustee  
 Guardian or Conservator  
 Other: \_\_\_\_\_



Signer Is Representing: Inventor

Signer's Name: Annien Cheng  
 Individual  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Attorney in Fact  
 Trustee  
 Guardian or Conservator  
 Other: \_\_\_\_\_



Signer Is Representing: Inventor

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of Santa Clara }

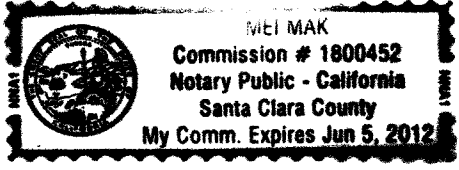
On Dec 3 '08 before me, Mei Mak, Notary Public  
Date Here Insert Name and Title of the Officer

personally appeared Michael Allen Robinson  
Name(s) of Signer(s)

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.



Place Notary Seal Above

Signature *Mei Mak*  
Signature of Notary Public

**OPTIONAL**

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

Title or Type of Document: Assignment of Patent Application to Avago Technologies

Document Date: \_\_\_\_\_ Number of Pages: 2

Signer(s) Other Than Named Above: Cheng, An-Nien, Laura Marie Giovane

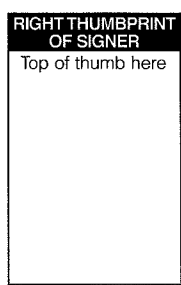
**Capacity(ies) Claimed by Signer(s)**

- Signer's Name: Michael Robinson
- Individual
  - Corporate Officer — Title(s): \_\_\_\_\_
  - Partner —  Limited  General
  - Attorney in Fact
  - Trustee
  - Guardian or Conservator
  - Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_  
inventor

- Signer's Name: \_\_\_\_\_
- Individual
  - Corporate Officer — Title(s): \_\_\_\_\_
  - Partner —  Limited  General
  - Attorney in Fact
  - Trustee
  - Guardian or Conservator
  - Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_