

## 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>Chaitanya Arekar</td> <td>12/20/2012</td> </tr> <tr> <td>Hui Xu</td> <td>12/20/2012</td> </tr> <tr> <td>Seng-Kum Chan</td> <td>12/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Chaitanya Arekar	12/20/2012	Hui Xu	12/20/2012	Seng-Kum Chan	12/20/2012
Name	Execution Date								
Chaitanya Arekar	12/20/2012								
Hui Xu	12/20/2012								
Seng-Kum Chan	12/20/2012								
RECEIVING PARTY DATA									
Name:	Avago Technologies General IP (Singapore) Pte. Ltd.								
Street Address:	No. 1 Yishun Avenue 7								
City:	Singapore								
State/Country:	SINGAPORE								
Postal Code:	768923								
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>13724056</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13724056				
Property Type	Number								
Application Number:	13724056								
CORRESPONDENCE DATA									
Fax Number:	7708040900								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	(970) 288-0747								
Email:	dsantos@srtslaw.com								
Correspondent Name:	Scott Weitzel								
Address Line 1:	4380 Ziegler Road								
Address Line 4:	Fort Collins, COLORADO 80525								
ATTORNEY DOCKET NUMBER:	01015.0726U1								
NAME OF SUBMITTER:	Daniel J. Santos								
This document serves as an Oath/Declaration (37 CFR 1.63).									
Total Attachments: 2 source=Combined_Declaration_Assignment_Signed#page1.tif source=Combined_Declaration_Assignment_Signed#page2.tif									

CH \$40.00 13724056

### DECLARATION

As a below named inventor, I hereby declare that:

The application identified below was made or authorized to be made by me.

I believe that I am the original inventor or original joint inventor of a claimed invention in the application for which a patent is sought on the invention entitled:

METHODS, APPARATUSES AND SYSTEMS FOR MID-PLANE MOUNTING PARALLEL OPTICAL COMMUNICATIONS MODULES

the specification of which is attached hereto unless the following box is checked:

was filed on \_\_\_\_\_ as US Application Serial No. or PCT International Application  
Number \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C 1001 by fine or imprisonment of not more than five (5) years, or both.

Send Correspondence to:	Direct Telephone Calls to:
Customer Number <input type="text" value="57299"/>	<input type="text"/>
AVAGO TECHNOLOGIES, LTD. 4380 Ziegler Road Fort Collins, CO 80525	OR Scott Weitzel (970) 288-0747

### ASSIGNMENT OF PATENT APPLICATION

I/We the undersigned (each) have agreed and hereby agree to assign to Avago Technologies General IP (Singapore) Pte. Ltd. (Company Registration No. 200512430D), 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 Patent of the United States 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 Patent, and any and all 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.

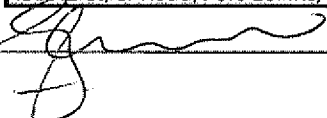
I/We additionally authorize AVAGO to file applications in my/our name for Patent in any country, to be held and enjoyed by AVAGO, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Patent respectively may be granted, reissued or extended, as 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 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 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;

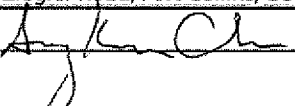
AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents, inventor's certificates, utility certificates, utility models, or certificates of addition on applications as aforesaid, to issue to AVAGO, as assignee of the entire right, title and interest, any and all Patents for said invention(s) or improvement(s), including any and all 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):

	Given Name	Middle Name	Family Name
Full Name of Sole or First Inventor:	Chaitanya		Arekar
Residence:	4331 Renaissance Drive, #308, San Jose, CA 95134		
Correspondence:	4380 Ziegler Road, Fort Collins, CO 80525		
Inventor's Signature			Date
			12/20/2012

	Given Name	Middle Name	Family Name
Full Name of # 2 Joint Inventor:	Hui		Xu
Residence:	2886 Mesquite Drive, Santa Clara, CA 95051		
Correspondence:	4380 Ziegler Road, Fort Collins, CO 80525		
Inventor's Signature			Date
			12/20/2012

	Given Name	Middle Name	Family Name
Full Name of # 3 Joint Inventor:	Seng-Kum		Chan
Residence:	141 Saratoga Avenue, #1211, Santa Clara, CA 95051		
Correspondence:	4380 Ziegler Road, Fort Collins, CO 80525		
Inventor's Signature			Date
			20 Dec 2012

	Given Name	Middle Name	Family Name
Full Name of # 4 Joint Inventor:			
Residence:			
Correspondence:			
Inventor's Signature			Date

	Given Name	Middle Name	Family Name
Full Name of # 5 Joint Inventor:			
Residence:			
Correspondence:			
Inventor's Signature			Date