

**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>Tom Sheau Tung Wong</td> <td>02/19/2008</td> </tr> <tr> <td>Adrianus J.P. van Haasteren</td> <td>02/19/2008</td> </tr> <tr> <td>Tze Wei Lim</td> <td>02/19/2008</td> </tr> </tbody> </table>		Name	Execution Date	Tom Sheau Tung Wong	02/19/2008	Adrianus J.P. van Haasteren	02/19/2008	Tze Wei Lim	02/19/2008
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Tom Sheau Tung Wong	02/19/2008								
Adrianus J.P. van Haasteren	02/19/2008								
Tze Wei Lim	02/19/2008								
<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>12040986</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12040986				
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Application Number:	12040986								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(970)288-0617								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	970-288-0731								
<b>Email:</b>	avagoip@system.foundationip.com								
<b>Correspondent Name:</b>	Kathy Manke Avago Technologies Limited								
<b>Address Line 1:</b>	4380 Ziegler Road								
<b>Address Line 4:</b>	Fort Collins, COLORADO 80525								
<b>ATTORNEY DOCKET NUMBER:</b>	2007-061USORG								
<b>NAME OF SUBMITTER:</b>	Adam E. Crall								
<b>Total Attachments: 2</b> source=ExecutedAssignment#page1.tif source=ExecutedAssignment#page2.tif									

CH \$40.00 12040986

**PATENT**

AVAGO TECHNOLOGIES, LTD.  
4360 Ziegler Road  
Fort Collins, Colorado 80525

ATTORNEY DOCKET NO. 2007-0061USORG

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:

**OPTICAL TRANSCEIVER MODULE AND DUPLEX FIBER OPTIC CONNECTOR**

Filing date: Executed Herewith 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.

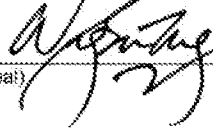
I/We additionally authorize AVAGO to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by AVAGO, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued 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: 19 Feb 2008

Inventor's Typed Name: Tom Sheau Tung Wong

Date Application Signed: 19 Feb 2008

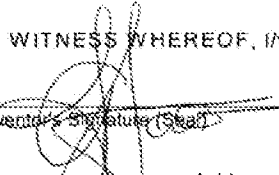
State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Tom Sheau Tung Wong 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: \_\_\_\_\_


ASSIGNMENT OF PATENT APPLICATION (cont.)

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

  
 Inventor's Signature (Seal) \_\_\_\_\_ Date Assignment Signed: 19 Feb 2008  
 Inventor's Typed Name: Adrianus J.P. van Haasteren Date Application Signed: 19 Feb 2008  
 State of \_\_\_\_\_ )  
 County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Adrianus J.P. van Haasteren 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:

  
 Inventor's Signature (Seal) \_\_\_\_\_ Date Assignment Signed: 19 FEB 2008  
 Inventor's Typed Name: Tze Wei Lim Date Application Signed: 19 FEB 2008  
 State of \_\_\_\_\_ )  
 County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Tze Wei Lim 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:

\_\_\_\_\_ Date Assignment Signed: \_\_\_\_\_  
 Inventor's Signature (Seal)  
 Inventor's Typed Name: \_\_\_\_\_ Date Application Signed: \_\_\_\_\_  
 State of \_\_\_\_\_ )  
 County of \_\_\_\_\_ ) ss.:

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: